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MINGW64/c/Users/paila
paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ msisexec.exe /i https://awscli.amazonaws.com/AWSCLIV2.msi

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws --version
aws-cli/2.31.16 Python/3.13.7 Windows/11 exe/AMD64

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws configure
AWS Access Key ID [None]: AKIARVAUOIAEQSJIICVD
AWS Secret Access Key [None]: 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
Default region name [None]: ap-south-1
Default output format [None]:

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws --version
aws-cli/2.31.16 Python/3.13.7 Windows/11 exe/AMD64

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws ec2 create-key-pair --key-name mykey --query "KeyMaterial" --output text > mykey.pem

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$
$
paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ chmod 400 mykey.pem

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws ec2 create-security-group --group-name my-sg --description "My security group"

An error occurred (InvalidGroup.Duplicate) when calling the CreateSecurityGroup operation: The security group 'my-sg' already exists for VPC 'vpc-0642af18ebe4b7f0c'

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws ec2 create-security-group --group-name bhargavsg --description "My security group"
{
  "GroupId": "sg-09d57bd4cf40a7030",
  "SecurityGroupArn": "arn:aws:ec2:ap-south-1:113817973248:security-group/sg-09d57bd4cf40a7030"
}

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws ec2 authorize-security-group-ingress --group-name bhargavsg --protocol tcp --port 22 --cidr 0.0.0.0/0
{
  "Return": true,
  "SecurityGroupRules": [
    {
      "SecurityGroupRuleId": "sgr-0a7527ab8e1d43c0e",
      "GroupId": "sg-09d57bd4cf40a7030",
      "GroupOwnerId": "113817973248",
      "IsEgress": false,
      "IpProtocol": "tcp",
      "FromPort": 22,
      "ToPort": 22,
      "CidrIpv4": "0.0.0.0/0",
      "SecurityGroupRuleArn": "arn:aws:ec2:ap-south-1:113817973248:security-group-rule/sgr-0a7527ab8e1d43c0e"
    }
  ]
}

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MINGW64/c/Users/paila
paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws ec2 authorize-security-group-ingress --group-name bhargavsg --protocol tcp --port 80 --cidr 0.0.0.0/0
{
  "Return": true,
  "SecurityGroupRules": [
    {
      "SecurityGroupRuleId": "sgr-062ffc6c0065a76bf",
      "GroupId": "sg-09d57bd4cf40a7030",
      "GroupOwnerId": "113817973248",
      "IsEgress": false,
      "IpProtocol": "tcp",
      "FromPort": 80,
      "ToPort": 80,
      "CidrIpv4": "0.0.0.0/0",
      "SecurityGroupRuleArn": "arn:aws:ec2:ap-south-1:113817973248:security-group-rule/sgr-062ffc6c0065a76bf"
    }
  ]
}

paila@LAPTOP-JOEIJB6H MINGW64 ~ (master)
$ aws ec2 run-instances \
--image-id ami-0f5ee92e2d63afc18 \
--instance-type t3.micro \
--key-name mykey \
--security-groups bhargavsg \
--count 1
{
  "ReservationId": "r-0d00205214e85387a",
  "OwnerId": "113817973248",
  "Groups": [],
  "Instances": [
    {
      "Architecture": "x86_64",
      "BlockDeviceMappings": [],
      "ClientToken": "9c45390a-248a-4e52-bdca-514ae1384e14",
      "EbsOptimized": false,
      "EnaSupport": true,
      "Hypervisor": "xen",
      "NetworkInterfaces": [
        {
          "Attachment": {
            "AttachTime": "2025-10-16T05:13:14+00:00",
            "AttachmentId": "eni-attach-02fea4b9775ac3dfe",
            "DeleteOnTermination": true,
            "DeviceIndex": 0,
            "Status": "attaching",
            "NetworkCardIndex": 0
          },
          "Description": "",
          "Groups": [
            {
              "GroupId": "sg-09d57bd4cf40a7030",
              "GroupName": "bhargavsg"
            }
          ],
          "Ipv6Addresses": [],

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MINGW64/c/Users/paila
$
paila@LAPTOP-JOEI3B6H MINGW64 ~ (master)
$ aws ec2 describe-instances --instance-ids i-031487973d431cb3b
{
  "Reservations": [
    {
      "ReservationId": "r-0d00205214e85387a",
      "OwnerId": "113817973248",
      "Groups": [],
      "Instances": [
        {
          "Architecture": "x86_64",
          "BlockDeviceMappings": [
            {
              "DeviceName": "/dev/sda1",
              "Ebs": {
                "AttachTime": "2025-10-16T05:13:15+00:00",
                "DeleteOnTermination": true,
                "Status": "attached",
                "VolumeId": "vol-0f5ddcf45c4f31749"
              }
            }
          ],
          "ClientToken": "9c45390a-248a-4e52-bdca-514ae1384e14",
          "EbsOptimized": false,
          "EnaSupport": true,
          "Hypervisor": "xen",
          "NetworkInterfaces": [
            {
              "Association": {
                "IpOwnerId": "amazon",
                "PublicDnsName": "ec2-15-207-18-91.ap-south-1.compute.amazonaws.com",
                "PublicIp": "15.207.18.91"
              },
              "Attachment": {
                "AttachTime": "2025-10-16T05:13:14+00:00",
                "AttachmentId": "eni-attach-02fea4b9775ac3dfe",
                "DeleteOnTermination": true,
                "DeviceIndex": 0,
                "Status": "attached",
                "NetworkCardIndex": 0
              },
              "Description": "",
              "Groups": [
                {
                  "GroupId": "sg-09d57bd4cf40a7030",
                  "GroupName": "bhargavsg"
                }
              ],
              "Ipv6Addresses": [],
              "MacAddress": "0a:bd:af:ba:71:3f",
              "NetworkInterfaceId": "eni-0d9bcab2475a31fe7",
              "OwnerId": "113817973248",
              "PrivateDnsName": "ip-172-31-2-236.ap-south-1.compute.internal",
              "PrivateIpAddress": "172.31.2.236",
              "PrivateIpAddresses": [
                {

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paila@LAPTOP-JOEI3B6H MINGW64 ~ (master)
$ aws ec2 describe-instances --instance-ids i-031487973d431cb3b --query "Reservations[*].Instances[*].PublicIpAddress" --output text
15.207.18.91

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paila@LAPTOP-JOEI3B6H MINGW64 ~ (master)
$ ssh -i mykey.pem ec2-user@15.207.18.91
The authenticity of host '15.207.18.91 (15.207.18.91)' can't be established.
ED25519 key fingerprint is SHA256:LvfNpf7sGnT/Xk2TndOV+JbPEgUxeFJYdHH28Lb1XSk.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? Y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '15.207.18.91' (ED25519) to the list of known hosts.
ec2-user@15.207.18.91: Permission denied (publickey).

```