

# IAM Policy to Restrict Scope of Privileges

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## Restrict Request Source to Cornell Campus IPs

Here's a simple IAM policy that you can add to any existing IAM Group, User, or Role to ensure that the role is only utilized from a computer that has a [Cornell public IP address](#).

Add this policy as an [inline policy attached to any IAM User, Group, or Role](#). This policy cannot be used alone. The IAM User, Group, or Role must **also** be granted the privileges you want the user/group/role to have. See also [https://docs.aws.amazon.com/IAM/latest/UserGuide/reference\\_policies\\_examples\\_aws\\_deny-ip.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/reference_policies_examples_aws_deny-ip.html).

```
{
  "Version": "2012-10-17",
  "Statement": {
    "Effect": "Deny",
    "Action": "*",
    "Resource": "*",
    "Condition": {
      "NotIpAddress": {
        "aws:SourceIp": [
          "128.84.0.0/16",
          "128.253.0.0/16",
          "132.236.0.0/16",
          "192.35.82.0/24",
          "192.122.235.0/24",
          "192.122.236.0/24"
        ]
      }
    }
  }
}
```

## Restrict Scope of EC2 to One AWS Region

Add this policy to a managed policy, user, role, or group to restrict the scope of EC2 activity to just us-east-1 AWS region. Since it is a DENY rule, it would override any ALLOW rules in the policy, user, role, or group.

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Condition": {
        "StringNotEquals": {
          "ec2:Region": "us-east-1"
        }
      },
      "Action": "ec2:*",
      "Resource": "*",
      "Effect": "Deny"
    }
  ]
}
```

## Attribute Based Access Control (ABAC)

Restricting access to resources based on tag values of the principal (IAM user or role) may be beneficial in certain scenarios. Please review our [ABAC documentation](#) for more detailed information.