AWS Security Group SOP

SOP: AWS SECURITY GROUP CREATION
HOW IT WORKS:
AWS Security Groups act as virtual firewalls at the instance level.
They allow inbound and outbound traffic based on rules.
Security Groups are STATEFUL (return traffic is automatically allowed).
USING AWS CONSOLE:
1. Login to AWS Console
2. Go to EC2 → Network & Security → Security Groups
3. Click Create security group
4. Enter Name, Description, VPC
5. Add inbound rules (e.g., SSH 22, HTTP 80)
6. Add outbound rules if required
7. Click Create security group
USING AWS CLI:

```
aws ec2 create-security-group --group-name my-sg --description "My SG" --vpc-id vpc-xxxx
aws ec2 authorize-security-group-ingress --group-name my-sg --protocol tcp --port 22 --cidr 0.0.0.0/0
```

BEST PRACTICES:
- Follow least privilege
- Avoid 0.0.0.0/0 unless required
- Separate SGs per tier
- Use descriptive names