

Preparation for the Hands on Labs

Creating a Security Group

Create a new Security Group

```
aws ec2 create-security-group --group-name nick_SG_useast1 \
--description "Security group for nick on us-east-1"
```

- I like to name my groups with my IAM user, SG for security group and the region
- Copy the `GroupId` value from the JSON output because we will be using it later

Verify the Security Group has been created

```
aws ec2 describe-security-groups --group-id sg-5f63c627
```

- Replace my `GroupId` with yours

Authorize SSH and HTTP access for everyone

```
aws ec2 authorize-security-group-ingress --group-id sg-5f63c627 \
--protocol tcp --port 22 --cidr 0.0.0.0/0
aws ec2 authorize-security-group-ingress --group-id sg-5f63c627 \
--protocol tcp --port 80 --cidr 0.0.0.0/0
```

- Replace my `GroupId` with yours

Authorize future EC2 instances to connect to RDS and ElastiCache

```
aws ec2 authorize-security-group-ingress --group-id sg-5f63c627 \
--protocol tcp --port 5432 --source-group sg-5f63c627
aws ec2 authorize-security-group-ingress --group-id sg-5f63c627 \
--protocol tcp --port 6379 --source-group sg-5f63c627
```

- Replace my `GroupId` with yours

Verify the Security Group has been created

```
aws ec2 describe-security-groups --group-id sg-5f63c627
```

- Replace my `GroupId` with yours

(Optionally) Delete the Security Group

```
aws ec2 delete-security-group --group-id sg-5f63c627
```

- Replace my `GroupId` with yours
- Do not delete it now unless you're experimenting on your own