

# Cloudshell Commands

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## S3

- List of Buckets :** `aws s3 ls`
- Create a S3 bucket :** `aws s3 mb s3://your-bucket-name`
- Delete a S3 bucket :** `aws s3 rb s3://your-bucket-name`
- Upload a file to S3 bucket :** `aws s3 cp your-file.txt s3://your-bucket-name/`
- Download a file from S3:** `aws s3 cp s3://your-bucket-name/your-file.txt` Directory path
- Delete a file in S3 bucket :** `aws s3 rm s3://your-bucket-name/filename`

## EC2

- List EC2 instances:** `aws ec2 describe-instances`
- Create an EC2 instance :** `aws ec2 run-instances --image-id your-ami-id --instance-type t2.micro --key-name your-key-pair-name --tag-specifications 'ResourceType=instance,Tags=[{Key=Name,Value="YourInstanceName"}]'`
- Stop EC2 instances :** `aws ec2 stop-instances --instance-ids your-instance-id`
- Start EC2 instances:** `aws ec2 start-instances --instance-ids your-instance-id`
- Terminate EC2 instances :** `aws ec2 terminate-instances --instance-ids your-instance-id`

## Lambda

- List lambda functions :** `aws lambda list-functions`
- Create a Lambda Function:** `aws lambda create-function --function-name your-function-name --runtime python3.8 --role your-role-arn --handler your-handler-name --zip-file fileb://your-function-code.zip`
- Create Lambda Function (s3) :** `aws lambda create-function --function-name your-function-name --runtime python3.8 --role your-role-arn --handler your-handler-name --code S3Bucket= your-s3bucket-name, S3Key=lambda_function.zip`

## IAM

- List of IAM users:** `aws iam list-users`
- Create an IAM User:** `aws iam create-user --user-name your-username`
- Attach a policy to IAM user:** `aws iam attach-user-policy --user-name your-username --policy-arn your-policy-arn`

# VPC

**List of VPC:** `aws ec2 describe-vpcs`

**Create VPC:** `aws ec2 create-vpc --cidr-block 10.0.0.0/16`

# Cloudwatch

**List of Alarms:** `aws cloudwatch describe-alarms`

# SNS

**Create a SNS Topic :** `aws sns create-topic --name YourTopicName`

**List Topics:** `aws sns list-topics`

**Subscribe an Endpoint to SNS topic:** `aws sns subscribe \`

`--topic-arn arn:aws:sns:your-region:your-account-id:YourTopicName \`

`--protocol email \`

`--notification-endpoint your-email@example.com`

**Publish a message to SNS topic:** `aws sns publish \`

`--topic-arn arn:aws:sns:your-region:your-account-id:YourTopicName \`

`--message "Your message body" \`

`--subject "Your message subject"`

**List Subscriptions for a SNS topics :**`aws sns list-subscriptions-by-topic --topic-arn arn:aws:sns:your-region:your-account-id:YourTopicName`