AWS CLI EC2 Cheat Sheet

by rishabkumar7 via cheatography.com/132291/cs/37476/

Instances

list all instances (running, and not running)	aws ec2 describe-instances
list all instances running	aws ec2 describe-instances --filters Name=instance-state-name,Values=running
create a new instance	aws ec2 run-instances --image-id ami-a0b1234 --instance-type t2.micro --security-group-ids sg-000-00000 --dry-run
stop an instance	aws ec2 terminate-instances --instance-ids <instance_id>
list status of all instances	aws ec2 describe-instance-status
list status of a specific instance	aws ec2 describe-instance-status --instance-ids <instance_id>
list all running instance, Name tag and Public IP Address	aws ec2 describe-instances --filters Name=instance-state-name,Values=running --query 'Reservations[].Instances[].[PublicIpAddress, Tags[?Key==Name].Value | [0]]' --output text

Images

list all private AMI's, ImageId and Name tags	aws ec2 describe-images --filter "Name=is-public,Values=false" --query 'Images[].[ImageId, Name]' --output text
delete an AMI, by ImageId	aws ec2 deregister-image --image-id ami-000000

Tags

list the tags of an instance	aws ec2 describe-tags
add a tag to an instance	aws ec2 create-tags --resources "ami-1a2b3c4d" --tags Key=name,Value=debian
delete a tag on an instance	aws ec2 delete-tags --resources "ami-1a2b3c4d" --tags Key=Name,Value=

Security Group

list all security groups	aws ec2 describe-security-groups
create a security group	aws ec2 create-security-group --vpc-id vpc-1a-2b3c4d --group-name web-server --description "web server access"
list details about a securty group	aws ec2 describe-security-groups --group-id sg-0000000
open port 80 for everyone	aws ec2 authorize-security-group-ingress --group-id sg-0000000 --protocol tcp --port 80 --cidr 0.0.0.0
get my public ip	my_ip=$(dig +short myip.opendns.com @resolver-1.opendns.com); echo $my_ip
open port 22 just for my ip	aws ec2 authorize-security-group-ingress --group-id sg-0000000 --protocol tcp --port 80 --cidr $my_ip/24
remove a firewall rule from a group	aws ec2 revoke-security-group-ingress --group-id sg-0000000 --protocol tcp --port 80 --cidr 0.0.0.0/24
delete a security group	aws ec2 delete-security-group --group-id sg-000-00000

Keypairs

list all keypairs	aws ec2 describe-key-pairs
create a keypair	aws ec2 create-key-pair --key-name <value> --output text
create a new local private / public keypair, using RSA 4096-bit	ssh-keygen -t rsa -b 4096
import an existing keypair	aws ec2 import-key-pair --key-name keyname_test --public-key-material file:///home/rkumar/id_rsa.pub
delete a keypair	aws ec2 delete-key-pair --key-name <value>

Sponsored by **Readable.com**
Measure your website readability!
https://readable.com