

Instances

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

Images

list all private AMI's, ImageId and Name tags	<code>aws ec2 describe-images --filter "Name=is-public,Values=false" --query 'Images[].[ImageId, Name]' --output text</code>
delete an AMI, by ImageId	<code>aws ec2 deregister-image --image-id ami-00-000000</code>

Tags

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

Security Group

list all security groups	<code>aws ec2 describe-security-groups</code>
create a security group	<code>aws ec2 create-security-group --vpc-id vpc-1a-2b3c4d --group-name web-server --description "web server access"</code>
list details about a security group	<code>aws ec2 describe-security-groups --group-id sg-0000000</code>
open port 80 for everyone	<code>aws ec2 authorize-security-group-ingress --group-id sg-0000000 --protocol tcp --port 80 --cidr 0.0.0.0</code>
get my public ip	<code>my_ip=\$(dig +short myip.opendns.com @resolver1.opendns.com); echo \$my_ip</code>
open port 22 just for my ip	<code>aws ec2 authorize-security-group-ingress --group-id sg-0000000 --protocol tcp --port 80 --cidr \$my_ip/24</code>
remove a firewall rule from a group	<code>aws ec2 revoke-security-group-ingress --group-id sg-0000000 --protocol tcp --port 80 --cidr 0.0.0.0/24</code>
delete a security group	<code>aws ec2 delete-security-group --group-id sg-000-00000</code>

Keypairs

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



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Published 3rd March, 2023.

Last updated 3rd March, 2023.

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