

### Instance Tools

#### ec2-run-instances

Launches one or more instances of the specified AMI.

```
ec2-run-instances ami_id [-n instance_count]
[-g group [-g group ...]] [-k keypair] [-d
user_data | -f user_data_file] [-t
instance_type] [-z availability_zone] [--
kernel kernel_id] [--ramdisk ramdisk_id] [-b
block-device-mapping] [--monitor] [--disable-
api-termination] [--instance-initiated-
shutdown-behavior behavior] [--placement-group
placement_group] [-s subnet] [--private-ip-
address ip_address]
```

#### ec2-describe-instances

Describes the current state of the specified instance(s). If no instance is specified, Amazon EC2 lists all instances that you own.

```
ec2-describe-instances [instance_id ...] [--
filter name=value] ...]
```

#### ec2-terminate-instances

Terminates the specified instances.

```
ec2-terminate-instances instance_id
[instance_id ...]
```

#### ec2-start-instances

Starts an instance that uses an Amazon EBS volume as its root device.

```
ec2-start-instances instance_id [instance_id
...]
```

#### ec2-describe-instance-attribute

Describes an attribute for the specified instance.

```
ec2-describe-instance-attribute instance_id {
--block-device-mapping | --disable-api-
termination | --instance-initiated-shutdown-
behavior | --instance-type | --kernel | --
ramdisk | --root-device-name | --user-data }
```

#### ec2-stop-instances

Stops an instance that uses an Amazon EBS volume as its root device.

```
ec2-stop-instances instance_id [instance_id
...]
```

#### ec2-monitor-instances

Enables monitoring for the specified instance(s).

```
ec2-monitor-instances instance-id [instance_id
...]
```

#### ec2-unmonitor-instances

Disables monitoring for the specified instance(s).

```
ec2-monitor-instances instance-id [instance_id
...]
```

### Elastic IP Address Tools

### Amazon EBS Tools

#### ec2-create-volume

Creates an Amazon EBS volume from a snapshot or an empty volume of a size you specify.

```
ec2-create-volume -z availability_zone [-s
size | --snapshot snapshot]
```

#### ec2-describe-volumes

Lists specified Amazon EBS volumes that you own. If no volume is specified, Amazon EBS lists all volumes that you own.

```
ec2-describe-volumes [volume_id ...] [--
filter name=value] ...]
```

#### ec2-delete-volume

Deletes the specified Amazon EBS volume.

```
ec2-delete-volume volume_id
```

#### ec2-attach-volume

Attaches an Amazon EBS volume to a running instance and exposes it as the specified device. The volume and instance must be in the same availability zone.

```
ec2-attach-volume volume_id -i instance_id -d
device
```

#### ec2-create-snapshot

Creates a snapshot of an Amazon EBS volume and stores it in Amazon S3.

```
ec2-create-snapshot volume_id
```

#### ec2-describe-snapshots

Lists the specified snapshots. If no snapshot is specified, Amazon EBS returns information on all snapshots available to you.

```
ec2-describe-snapshots [snapshot_id ...] [--
filter name=value] ...]
```

#### ec2-delete-snapshot

Deletes an Amazon EBS snapshot that you own.

```
ec2-delete-snapshot snapshot_id
```

#### ec2-detach-volume

Detaches an Amazon EBS volume from an instance.

```
ec2-detach-volume volume_id [-i instance_id [-d
device]] [--force]
```

#### ec2-allocate-address

Acquires an elastic IP address for use with your account.

```
ec2-allocate-address
```

#### ec2-describe-addresses

Lists elastic IP addresses assigned to your account. If no address is specified, all addresses are returned.

```
ec2-describe-addresses [ip_address ...]
```

#### ec2-release-address

Releases an elastic IP address associated with your account.

```
ec2-release-address ip_address
```

#### ec2-associate-address

Associates an elastic IP address with an instance. If the IP address is currently assigned to another instance, the IP address is reassigned to the specified instance.

```
ec2-associate-address ip_address -i instance_id
```

#### ec2-disassociate-address

Disassociates the specified elastic IP address from the instance to which it is assigned.

```
ec2-disassociate-address ip_address
```

### Image Tools

#### ec2-describe-images

Returns information about AMIs, AKIs, and ARIs. If no parameter is specified, information about all images for which you have launch permission is returned.

```
ec2-describe-images [ami_id ...] [--all]
[-o owner ...] [-x user_id] [--filter
name=value] ...]
```

#### ec2-create-image

Creates an AMI that uses an Amazon EBS root device from a running or stopped instance.

```
ec2-create-image instance_id [--name name, --
description description, --no-reboot]
```

#### ec2-describe-image-attribute

Describes an attribute for the specified AMI.

```
ec2-describe-image-attribute ami_id { --launch-
permission | --product-code | --block-device-
mapping | --kernel | --ramdisk }
```

#### ec2-register

Registers the AMI specified in the manifest file and generates a new AMI ID.

```
ec2-register manifest
```

### Security Group Tools

#### ec2-add-group

Creates a new security group. Group names must be unique per account.

```
ec2-add-group group -d description
```

#### ec2-delete-group

Deletes the specified security group that you own.

```
ec2-delete-group group
```

#### ec2-describe-group

Lists information about the security groups that you own. If no security group is explicitly listed, Amazon EC2 displays all security groups you own.

```
ec2-describe-group [group ...]
```

### Key Pair Tools

#### ec2-add-keypair

Creates a new 2048-bit RSA key pair with the specified name.

```
ec2-add-keypair key_pair
```

#### ec2-describe-keypairs

Lists information about the key pairs you specified. If no key is specified, information for all your key pairs is returned.

```
ec2-describe-keypairs [key_pair ...]
```

#### ec2-delete-keypair

Deletes the specified key pair by removing the public key from Amazon EC2.

```
ec2-delete-keypair key_pair
```

#### ec2-import-keypair

Imports the public key for a key pair. You keep the private key.

```
ec2-import-keypair key_name --public-key-
file file
```

### Availability Zone Tools

#### ec2-describe-availability-zones

Lists Availability Zones that are currently available to your account.

```
ec2-describe-availability-zones [zone ...]
```

### Windows Tools

#### ec2-get-password

Retrieves and decrypts the administrator password for the specified Windows instance.

```
ec2-get-password instance_id -k key_pair
```

#### ec2-bundle-instance

Bundles an Amazon S3-backed Windows instance.

```
ec2-bundle-instance instance_id -b bucket -
p prefix -o access-key-id {-c policy | -s
policy-signature | -w secret-access-key}
```

### Tagging Tools

#### ec2-create-tags

Adds or overwrites one or more tags for the specified resource or resources. Each tag consists of a key and an optional value. Tag keys must be unique per resource.

```
ec2-create-tags resource_id [resource_id ...] --
tag key[=value] [--tag key[=value] ...]
```

#### ec2-delete-tags

Removes a set of tags from a set of resources. The tag value is not required.

```
ec2-delete-tags resource_id [resource_id ...] --
tag key[=value] [--tag key[=value] ...]
```

#### ec2-describe-tags

Lists your tags. You can filter the list to return only tags you specify.

```
ec2-describe-tags [--filter name=value] ...]
```

### Other Tools

#### ec2-get-console-output

Retrieves console output for the specified instance.

```
ec2-get-console-output instance_id [-r]
```

This *Amazon Elastic Compute Cloud Quick Reference Card* contains commonly used commands and options. For complete reference information, see the Amazon EC2 Command Line Reference at <http://aws.amazon.com/documentation/ec2/>.