Instance Tools

ec2-run-instances (ec2run)
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] [--tenancy tenancy] [-s
subnet] [--private-ip-address ip_address] [--
client-token token] [--network-interface
networkinterface] [--secondary-private-ip-
address ip_address | --secondary-private-ip-
address-count count] [-p, --iam-profile
arn|name] | --ebs-optimized
```

ec2-describe-instances (ec2din)
Lists the specified instances. If no instance is specified, all your instances are listed.
```
ec2-describe-instances [instance_id ...]
[[--filter name=value] ...]
```

ec2-terminate-instances (ec2kill)
Terminates the specified instance.
```
ec2-terminate-instances instance_id
[instance_id ...]
```

ec2-start-instances (ec2start)
Starts a stopped instance (applies only to Amazon EBS-backed instances).
```
ec2-start-instances instance_id [instance_id
...]
```

ec2-describe-instance-attribute (ec2dinatt)
Describes an attribute for the specified instance.
```
ec2-describe-instance-attribute instance_id { -
-block-device-mapping | --ebs-optimized | --
disable-api-termination | --group-id | --
instance-initiated-shutdown-behavior | --
instance-type | --kernel | --product-codes | --
ramdisk | --root-device-name | --source-dest-
check | --user-data }
```

ec2-stop-instances (ec2stop)
Stops an instance (applies only to Amazon EBS-backed instances).
```
ec2-stop-instances instance_id [instance_id ...]
```

ec2-monitor-instances (ec2min)
Enables monitoring for the specified instance.
```
ec2-monitor-instances instance-id [instance_id
...]
```

ec2-unmonitor-instances (ec2umin)
Disables monitoring for the specified instance(s).
```
ec2-monitor-instances instance-id [instance_id
...]
```

EC2 Elastic IP Address Tools

ec2-allocate-address (ec2allocaddr)
Acquires an EC2 Elastic IP address for use with your account.
```
ec2-allocate-address
```

ec2-describe-addresses (ec2daddr)
Lists both EC2 and VPC Elastic IP addresses assigned to your account.
```
ec2-describe-addresses [ip_address ...]
```

ec2-release-address (ec2reladdr)
Releases an EC2 Elastic IP address associated with your account.
```
ec2-release-address ip_address
```

ec2-associate-address (ec2assocaddr)
Associates an EC2 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 (ec2disaddr)
Disassociates the specified EC2 Elastic IP address from the instance to which it is assigned.
```
ec2-disassociate-address ip_address
```

Amazon EBS Tools

ec2-create-volume (ec2addvol)
Creates an Amazon EBS volume that can be attached to any EC2 instance in the same Availability Zone.
```
ec2-create-volume -z availability_zone
[-s size | --snapshot snapshot [--size size]]
-z -availability-zone zone [--type type [--
iops iops]]
```

ec2-describe-volumes (ec2dvol)
Lists the specified Amazon EBS volumes. If no volume is specified, all your volumes are listed.
```
ec2-describe-volumes [volume_id ...]
[[--filter name=value] ...]
```

ec2-delete-volume (ec2delvol)
Deletes the specified Amazon EBS volume.
```
ec2-delete-volume volume_id
```

ec2-attach-volume (ec2attvol)
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 (ec2addsnap)
Creates a snapshot of an Amazon EBS volume and stores it in Amazon S3.
```
ec2-create-snapshot volume_id
```

ec2-describe-snapshots (ec2dsnap)
Lists the specified snapshots. If no snapshot is specified, all your snapshots are listed.
```
ec2-describe-snapshots [snapshot_id ...]
 [[--filter name=value] ...]
```

ec2-delete-snapshot (ec2delsnap)
Deletes the specified Amazon EBS snapshot.
```
ec2-delete-snapshot snapshot_id
```

ec2-detach-volume (ec2detvol)
Detaches an Amazon EBS volume from an instance.
```
ec2-detach-volume volume_id [-i instance_id [-d
device]] [--force]
```

Image Tools

ec2-describe-images (ec2dim)
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 (ec2cim)
Creates an AMI that uses an Amazon EBS root device from a running or stopped Amazon EBS-backed instance.
```
ec2-create-image  instance_id --name name
[ --description description] [ --no-reboot]
```

ec2-describe-image-attribute (ec2dimatt)
Describes an attribute for the specified AMI.
```
ec2-describe-image-attribute ami_id { --launch-
permission | --product-code | --block-device-
mapping | --kernel | --ramdisk }
```

ec2-register (ec2reg)
Registers the AMI specified in the manifest file and generates a new AMI ID.
```
ec2-register manifest
```

ec2-bundle-image
Creates an AMI from an operating system image created in a loopback file.
```
ec2-bundle-image -k private_key -c cert -u
user_id -i image_path -r {i386 | x86_64} [-d
destination] [-p ami_prefix] [--ec2cert
cert_path] [--kernel kernel-id] [--ramdisk
ramdisk_id] [--block-device-mapping
block_device_mapping]
```

When the image is for an Ubuntu Linux distribution, you must manually add the following syntax:
```
--ec2cert /etc/ec2/amitools/cert-ec2.pem
```

Windows Tools

ec2-bundle-instance (ec2bundle)
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}
```

ec2-get-password (ec2gpass)
Retrieves and decrypts the administrator password for the specified Windows instance.
```
ec2-get-password instance_id -k key_pair
```

Key Pair Tools

ec2-create-keypair (ec2addkey)
Creates a new 2048-bit RSA key pair with the specified name.
```
ec2-create-keypair key_pair
```

ec2-describe-keypairs (ec2dkey)
Lists the specified key pairs. If no key pair is specified, all your key pairs are listed.
```
ec2-describe-keypairs [key_pair ...]
```

ec2-delete-keypair (ec2delkey)
Deletes the specified key pair by removing the public key from Amazon EC2.
```
ec2-delete-keypair key_pair
```

ec2-import-keypair (ec2ikey)
Imports the public key for a key pair. You keep the private key. The key pair works in all EC2 Regions.
```
ec2-import-keypair key_pair --public-key-file
file
```

EC2 Security Group Tools

ec2-create-group (ec2addgrp)
Creates a new EC2 security group. Group names must be unique per account.
```
ec2-create-group group_name -d description
```

ec2-describe-group (ec2dgrp)
Lists your EC2 and VPC security groups. If no security group is specified, all your security groups are listed.
```
ec2-describe-group [ec2_group_name_or_id ... |
vpc_group_id ...] [[--filter name=value] ...]
```

ec2-authorize (ec2auth)
Adds a rule to an EC2 security group.
```
ec2-authorize ec2_group_name_or_id
[-P protocol]
[-p port_range | -t icmp_type_code]
[-u source_group_owner]
[-o source_group ...] [-s source_cidr ...]
```

ec2-delete-group (ec2delgrp)
Deletes the specified EC2 security group.
```
ec2-delete-group ec2_group_name_or_id
```

Tagging Tools

ec2-create-tags (ec2addtag)
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 (ec2deltag)
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 (ec2dtag)
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 (ec2gcons)
Retrieves console output for the specified instance.
```
ec2-get-console-output instance_id
[--raw-console-output]
```

Availability Zone Tools

ec2-describe-availability-zones (ec2daz)
Lists Availability Zones that are currently available to your account.
```
ec2-describe-availability-zones [zone ...]
```

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/.