3.1.2 Command Line Interface Reference Guide

2012-09-27 Eucalyptus Systems

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Welcome

Welcome to the Command Line Interface Reference Guide. This guide provides an overview of the Eucalyptus CLI (Euca2ools), including installation instructions. It also describes the syntax and parameters for each command.

Euca2ools commands are grouped in the following sections:

- *EC2-Compatible Commands*
- *IAM-Compatible Commands*
- *Eucalyptus Image Store*

Overview of Euca2ools

Euca2ools is the Eucalyptus command line interface for interacting with web services. This set of tools was written in Python, relying on the Boto library and M2Crypto toolkit.

Most Euca2ools commands are compatible with Amazon's EC2, S3, and IAM services and generally accept the same options and honor the same environmental variables. This means that you can use Euca2ools with both the Eucalyptus cloud-computing platform and Amazon EC2, S3, and IAM. A few other commands are specific to Eucalyptus and are noted in the command description.

Note: Some operations in Euca2ools are not supported in certain Eucalyptus networking modes. For example, security groups and elastic IPs are not supported in both Static and System networking modes. See your cloud administrator for details. For more information about networking modes, see the *Installation Guide*.

Installing Euca2ools

Euca2ools is included with installation packages of Eucalyptus. Please check with your administrator to confirm that Euca2ools is installed properly on your client machine.

Setting Environment Variables

Euca2ools uses two kinds of credentials to authenticate user identity: X.509 PEM-encoded certificates and access keys. In addition, you must also specify service endpoints.

You must either define a set of environment variables in advance or use command-line options to allow Euca2ools to communicate with the cloud and verify user identity.

You can specify each value individually using the command line or set all of them collectively by sourcing the eucarc file. For more information, see *Source a Eucarc File*.

Variable	Option	Description
EC2_URL	`-U, --url <url>`	http://<host_ip>:8773/services/Eucalyptus
S3_URL	`-U, --url <url>`	http://<host_ip>:8773/services/Walrus
EUCALYPTUS_CERT	`--ec2cert_path <file>`	Path to cloud certificate
EC2_CERT	`-c, --cert <file>`	Path to your PEM-encoded certificate
EC2_PRIVATE_KEY	`-k, -privatekey <file>`	Path to your PEM-encoded private key
EC2_ACCESS_KEY	`-a, --access-key <key>`	Your access key ID
EC2_SECRET_KEY	`-s, --secret-key <key>`	Your secret access key

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Source a Eucarc File

`eucarc` is a resource configuration file that defines the correct values for each associated variable. `eucarc` is in your credentials zip file. Sourcing eucarc sets these variables to the correct values.

Note: When you source eucarc, you are only setting the correct values for the session. If you open a new terminal you must source eucarc again.

To source the eucarc file, enter the following:

Open a terminal and enter the following:

```
source eucarc
```

The appropriate environment variables are now set and you are ready to use Euca2ools to interact with your Eucalyptus cloud.

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EC2-Compatible Commands

The basic set of Euca2ools begin with the `euca-` prefix. These commands are compatible with Amazon EC2.

euca-create-group

Creates a new security group.

Syntax

```
euca-create-group  group_name -d group_description
```

Options

Option	Description	Required
`-d,--description`	Description for the group to be created	Yes
`group_name`	Unique name for the group to be created	Yes

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("GROUP")
- Group name
- Group description

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Example

```
euca-create-group mygroup -d 'A new group'
GROUP   mygroup A new group
```

euca-create-keypair

Creates a new keypair and then prints the private half of the keypair. Eucalyptus does not store this information. We recommend that you create a keypair file with read permissions restricted to the appropriate user, and write the output to this file.

Syntax

```
euca-create-keypair keypair_name
```

Options

Options	Description	Required
`keypair_name`	Unique name for a keypair to be created.	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("KEYPAIR")
- Key pair name
- Private key fingerprint
- Private key

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Example

```
euca-create-keypair mykey
KEYPAIR mykey   52:5f:e7:03:67:ad:b5:f3:65:4b:94:77:90:61:5f:1e:44:96:74:62
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAt5bLg1PhtF+kM5toDDl/MrxV5Ukm3ELWbI794MaCrFTiNTDf
URvZrWaKG2uldiHzJRhLusaUSopqdnCIW4hM5GJL1HRUZKy5cv3cNrlcf+NAuDEY
5iPzXwVW2I1masldmSwL5XWnehiigFveLkUqzsNEyKBVoi1DU0TNmlFZ0ee2wO1A
wJOeAViz6itnCGbF0W9UHtCQ7Y1qP/ENcm96pqugsj11LO4JMb+vX9Kc8VgHMBcb
1tg2kQShey28aJLXy9mu3RKL1lmD2OyvxxY1PNVLjTpAOrzmoMKEG2S7H6im9v7Y
zA6Tqik9WPi0jDcT/obwXLS+UgBpScai5179KwIDAQABAoIBAG1qhwJPNN5+fetv
/JQElIWVb5AGiA2QHCF5G2Aij3DL6kGPThkWAybwTPFIt8VvOG1sTH4Vqf2+/vJ1
4R7EXidjWhRV/JI/ywr4t4057iIeO81LHa7T0FFaakcIBvkv6APJF5H7DASduAPO
PN3QxVGTWWRFAqR0W4K+J9eIEoMhlTao6SKhpq8o8on2Iua+2PpYvK7Oba8JBo/j
556o3sa0XIIlkpuzSKzRyABEi08hqUjkzhzl6ep3lF55neiW/y/kc3SOPjYrUg3f
mv/eM3Kl2xllRpkeo2lHiC27QblsDejrbIxr1yN7TRq9uWo6WxbBPR+6y0MNwgtz
Erflb7kCgYEA8/zH4l/18qheqowsfibeVcdxLTE/3i649ahdFGgWenr70P/xoBP5
GQ8wpzNXvDOLzmQPw4I4JrOid+qHg9y2gJi5KGbuUxrVAhH4uAleqXhlDbCIKfPg
GUN/n1ZkLm7N46NGfOzC0encEj1IvDFMGEQMRFBnXtlBA3eiWojBbL0CgYEAwKDA
ptz4SsDRLgTO+SfjIuUdPrP5DQAGvDkuelZ1TisTidavPcrTNS0Wm0GFnCCzW+4r
OqsTJe4jpkwjcwB0KcyxrAexOtwiYftFUAXbi8m5xlTsVzaN3C8RWPeNPs2QNqeZ
NClUWIB+WOAyNsOx1CdNggkyMwdagH67fJfzVAcCgYAmTRhTwRyq6yNxQm/5ncBp
VtW9cm3EQzFl3vg9q9lbgNLnDEayCnCgLnJEzRqIwM7Bp5OR7W9DJA/tIzQCzzMX
HOJ0JTRkd2HY4VlaCp6BnBTBAWVesJoNXTs7mCRB5cMMaSU3lzM+IKgbdONmJ5b6
eDQ0xSp1CUXbdXxXGgDDQQKBgQC9+gzmxMnQF+h15WInUtJtqN815xO6YYtC+XZA
S6K3rD5B1EzSuYWiTUydZHqcZ5fdE8DoxK5G212ndjIECq+GRg34p0GA1njGf6V1
bcGAVTx2QW0x+mjgfj8yqjtQdDZF4Pd0/UnlWxzBFKQRZOGuZfDITb+HmjoEvni0
QbxG4wKBgGOmAfkcFDyXBAx2J+oGoCe5EYT5KhceJK4U+RD+4nA9UeZAm29He9cC
G9xp8vetS78kFGMgbltbmH7onznMM7/76x0a1Y04YQgCBGV9QsP1ViB0hCClPjHu
rt0p+OLncFC1gUInZVc3yEEl0yYd9qDnaFCExyy5Bntc9Km+whQZ
-----END RSA PRIVATE KEY-----
```

euca-allocate-address

Allocates an elastic IP address. The output returns the IP address that was allocated.

Syntax

```
euca-allocate-address
```

Options

None

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key

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Option	Description
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("ADDRESS")
- Elastic IP address for use with your account

Example

```
euca-allocate-address
ADDRESS 86.75.30.9
```

euca-associate-address

Associates an elastic IP address with an instance. This assumes that the address you supplied has already been allocated with the `euca-allocate-address` command.

Syntax

```
euca-associate-address  -i instance_id ip
```

Options

Option	Description	Required
`-i,--instance`	Unique identifier for a running instance to associate the address with.	Yes
`ip`	Elastic IP address to associate	Yes

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key

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Option	Description
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("ADDRESS")
- IP address
- Instance ID

Example

```
euca-associate-address -i i-3C66428A 86.75.30.9
ADDRESS 86.75.30.9   i-3C66428A
```

euca-attach-volume

Attaches an EBS volume to an instance. Not all volumes can be attached using this command. `/dev/sda` and `/dev/sdb` are restricted.

Syntax

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

Options

Option	Description	Required
`-i,--instance`	Unique ID of a running instance to attach the volume to.	Yes
`-d,--device`	Local device name (inside the guest VM) to use. Depending on your hypervisor, this might be ignored.	Yes
`volume_id`	Unique id for the volume to be attached.	Yes

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID

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Option	Description
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("VOLUME")
- Volume ID

Example

```
euca-attach-volume -i i-3C66428A -d /dev/sdf vol-639C3E6C
VOLUME  vol-639C3E6C
```

euca-authorize

Adds a rule that allows traffic inbound to a security group.

Syntax

```
euca-authorize  group_name [-P {tcp,udp} -p port_range] [-s cidr_range]
```

```
euca-authorize  group_name [-P icmp -t type:code] [-s cidr_range]
```

Options

Option	Description	Required
`group_name`	Name of the security group to add the rule to.	Yes
`-P, --protocol` *`protocol`*	IP protocol name or number. Valid values: `tcp` | `udp` | `icmp`	No
`-p` *`port_range`*	Specifies the range of ports to allow for TCP and UDP. Not valid for ICMP. Valid values: Single integer or range (min-max). Use `-1` to specify all ports.	Conditional
`-t, --icmp-type-code`	ICMP type and code specified as "type:code". Only works if you specify ICMP as the protocol.	Conditional

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Option	Description	Required
`-o, --source-group` *source_group*	Group from which traffic is authorized by the rule. Every instance in the security group is allowed to pass traffic.	No
`-u, --source-group-user` *source_group_user*	ID of the security group user you name in the -o parameter	No
`-s, --source-subnet` *source_subnet*	Addresses to apply the rule to Default: `0.0.0.0/0`	No

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("GROUP", "PERMISSION")
- Group name
- Rule type (EC2 only supports an ALLOW rule)
- Protocol
- Port range start
- Port range end

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Example

```
euca-authorize default -P tcp -p 80 -s 0.0.0.0/0
GROUP   default
PERMISSION  default ALLOWS  tcp 80  80  FROM    CIDR    0.0.0.0/0
```

```
euca-authorize -P tcp -p 6697-7000 -s 1.2.3.0/24 mygroup
GROUP   mygroup
PERMISSION  mygroup ALLOWS tcp 6697 7000 FROM CIDR 1.2.3.0/24
```

```
euca-authorize -P icmp -t 0:0 -o othergroup -u 1234567890 mygroup
GROUP   mygroup
PERMISSION  mygroup ALLOWS  icmp    USER    1234567890      GRPNAME othergroup
      FROM    CIDR    0.0.0.0/0
```

euca-bundle-image

Bundles an image for use with Eucalyptus or Amazon EC2.

Syntax

```
euca-bundle-image  -i image_path [-u, --user user]
   [-r, --arch target_arch][-p, --prefix prefix ][--kernel
    kernel_id ][--ramdisk ramdisk_id ][--product-codes
     product_codes ][-b, --block-device-mapping
     block_device_mapping ][-d, --destination destination
     ][--ec2cert ec2cert_path ][--batch]
```

Options

Option	Description	Required
`-i,--image`	Path to the image file to bundle.	Yes
`-u,--user`	12-digit user ID of the person who is bundling the image.	No
`-c,--cert`	Path the users PEM-encoded certificate.	No
`-k,--privatekey`	Path to users PEM-encoded private key.	No
`-p,--prefix`	The prefix for the bundle image files.	No
`--kernel`	ID of the kernel you want to associate with the image. You can override this ID in *euca-register* and *euca-run-instances* at runtime. If you are bundling a kernel image, set to `true`.	No
`--ramdisk`	ID of the ramdisk to be associated with the image. You can override this ID in *euca-register* and *euca-run-instances* at runtime. If you are bundling a ramdisk image, set to `true`.	No
`-b,--block-device-mapping`	Default block device mapping for the image. The format of the mapping is a comma-separated list of key=value pairs.	No
`-d,--destination`	Directory to store the bundled image in. We recommend that you include this option where allowed. Default: `/tmp`	No

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Option	Description	Required
`--ec2cert`	Path to the cloud's X.509 certificate.	No
`-r,--arch`	Target architecture for the image. Default: `x86_64` Valid values: `i386` | `x86_64`	No
`--batch`	Run in batch mode. This is for compatibility only, and has no effect.	No

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Example

```
euca-bundle-image --arch i386 -i myimage.img
Checking image
Encrypting image
Splitting image...
Part: myimage.img.part.00
Part: myimage.img.part.01
Part: myimage.img.part.02
Part: myimage.img.part.03
Generating manifest /tmp/myimage.img.manifest.xml
```

euca-bundle-instance

Bundles a running instance into a machine image and stores the image in Walrus. This commad is typically used with Windows instances.

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Syntax

```
euca-bundle-instance  instance_id -b bucket -p prefix -o access_key_id -w
    secret_key -x expires
```

Options

Option	Description	Required
instance_id	ID of the instance you want to bundle	Yes
-b,--bucket *bucket_name*	Name of the bucket to upload.	Yes
-p,--prefix	The prefix for the bundle image files.	Yes
-o,--access-key-id *access_key_id*	Access key ID of the owner of the bucket	Yes
-w,--secret-key *secret_key*	Secret key used to sign the upload policy	Yes
-x,--expires	Expiration, in hours, for the generated upload policy.	No

Common Options

Option	Description
--region *region*	Region to direct requests to. Only valid for EC2 endpoints.
-U,--url *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
-a,--access-key *access_key_id*	User's access key ID
-s,--secret-key *secret_key*	User's secret key
--config *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
--debug	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
--debugger	Enable interactive debugger on error
-h,--help	Display the manual page for the command.
--version	Display the version of this tool

Output

- Output type identifier ("BUNDLE")
- Bundle ID
- Instance ID
- Bucket name
- Bundle prefix
- State
- Bundle start time
- Bundle update time

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Example

```
euca-bundle-instance -b mah-bukkit -p winemi -o
JCCBLEOQTLCFVNDPWUOG7 -w ZNpf50R3MmhA56YIMWd8ZmpucIW8NxYl84XT6l8N
i-E7AC420A
BUNDLE bun-CFF03DFA i-E7AC420A mah-bukkit winemi pending
2012-01-01T00:00:00.000Z 2012-01-01T00:00:00.000Z
```

euca-bundle-vol

Bundles an image for use with Eucalyptus or Amazon EC2, compressing, encrypting and signing a snapshot of the local machine's root file system.

Syntax

```
euca-bundle-vol [-s, --size size ][-u, --user user ]
      [-c, --cert cert_path ][-k, --privatekey private_key_path ]
      [-a, --all][-p, --prefix prefix ][--no-inherit][-e, --exclude
      exclude ][--kernel kernel_id ][--ramdisk ramdisk_id
        ][--product-codes product_codes ][-b, --block-device-mapping
      block_device_mapping ][-d, --destination destination_path
      ][--ec2cert ec2cert_path ][-r, --arch target_architecture
      ][--volume volume_path ][--fstab fstab_path ][--generate-
      fstab][--batch]
```

Options

Option	Description	Required
`-k,--privatekey` *`private_key`*	Path to user's PEM-encoded private key.	Yes
`-u,--user` *`user_id`*	12-digit user ID of the person who is bundling the image.	Yes
`-c,--cert`	Path the user's PEM-encoded certificate.	Yes
`-r,--arch`	Target architecture for the image. Default: `x86_64` Valid values: `i386` | `x86_64`	Yes
`-s,--size` *`size_in_mb`*	Size of the image in MB	No
`-d,--destination`	Directory to store the bundled image in. We recommend that you include this option where allowed. Default: `/tmp`	No
`-e,--exclude` *`directory_1, directory_2,...`*	Comma-separated list of directories to exclude.	No
`-i,--include` *`directory_1, directory_2,...`*	Comma-separated list of directories to include.	No

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Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns status messages describing the stages and status of the bundling.

Example

```
euca-bundle-vol -d /mnt/ebsvol -p myimage -s 2048 --arch x86_64
1+0 records in
1+0 records out
1048576 bytes (1.0 MB) copied, 0.00358811 s, 292 MB/s
mke2fs 1.41.9 (22-Aug-2009)
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
131072 inodes, 524288 blocks
26214 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=536870912
16 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
 32768, 98304, 163840, 229376, 294912

Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done

This filesystem will be automatically checked every 39 mounts or
180 days, whichever comes first.  Use tune2fs -c or -i to override.
Checking image
Tarring image
Encrypting image
Splitting image...
Part: myimage.part.0
```

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```
Part: myimage.part.1
Part: myimage.part.2
Part: myimage.part.3
Part: myimage.part.4
Part: myimage.part.5
Part: myimage.part.6
Part: myimage.part.7
Part: myimage.part.8
Part: myimage.part.9
Part: myimage.part.10
Part: myimage.part.11
Part: myimage.part.12
Part: myimage.part.13
Part: myimage.part.14
Part: myimage.part.15
Part: myimage.part.16
Part: myimage.part.17
Part: myimage.part.18
Part: myimage.part.19
Part: myimage.part.20
Part: myimage.part.21
Part: myimage.part.22
Generating manifest /mnt/ebsvol/myimage.manifest.xml
```

euca-cancel-bundle-task

Cancels a previously submitted bundle task.

Syntax

```
euca-cancel-bundle-task bundle_id
```

Options

Option	Description	Required
bundle_id	ID of the bundle task to cancel	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.

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Option	Description
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("BUNDLE")
- Bundle ID
- Instance ID
- Bucket name
- Bundle prefix
- State
- Bundle start time
- Bundle update time

Example

```
euca-cancel-bundle-task bun-CFF03DFA
BUNDLE bun-CFF03DFA i-E7AC420A mah-bukkit winemi cancelling
2012-01-01T00:00:00Z 2012-01-01T00:00:00Z
```

euca-create-snapshot

Creates a snapshot from an existing volume.

Syntax

```
euca-create-snapshot  volume_id [-d description ]
```

Options

Option	Description	Required
`volume_id`	Unique name for a volume to snapshot	Yes
`-d, --description` *`description`*	Description of the snapshot Constraints: up to 255 characters	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID

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Option	Description
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("SNAPSHOT")
- Snapshot ID
- Volume ID
- State

Example

```
euca-create-snapshot vol-84B54112
SNAPSHOT    snap-5E313F37   vol-84B54112    pending
2012-01-01T00:00:00.000Z    0%  None
```

euca-create-volume

Creates a volume in a specified availability zone.

Syntax

```
euca-create-volume  -z zone [-s size ][--snapshot snapshot]
```

Options

Option	Description	Required
`-z,--zone`	Availability zone to create the volume in	Yes
`--s, --size` *`size`*	Size of the volume, in GiBs. You must specificy either `-s` or `--snapshot`.	Conditional
`--snapshot` *`snapshot`*	Snapshot from which to create the new volume. You must specificy either `-s` or `--snapshot`.	Conditional

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.

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Option	Description
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("VOLUME")
- Volume ID
- Snapshot the volume was created from, if applicable
- Volume size, in GiBs
- Availability Zone
- Volume state
- Timestamp

Examples

```
 euca-create-volume -z zone00 -s 5
VOLUME  vol-84B54112    5   zone00  creating    2012-01-01T00:00:00.000Z
```

The following example shows a volume created from a snapshot.

```
euca-create-volume -z zone00 --snapshot snap-5E313F37
VOLUME  vol-45C63B9B    snap-5E313F37   zone00  creating
2012-01-01T00:00:00.000Z
```

euca-delete-bundle

Delete a previously uploaded bundle.

Syntax

```
euca-delete-bundle  -b, --bucket bucket [-m, --manifest
     manifest_path ][-p, --prefix prefix ][--clear]
```

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Options

Option	Description	Required
`-b,--bucket` *`bucket`*	Name of the bucket the bundle is stored in	Yes
`-m,--manifest` *`manifest_path`*	Path to the manifest file	No
`-p,--prefix`	The prefix for the bundle image files.	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus displays status messages that indicate the status of the delete process.

Example

```
euca-delete-bundle -b mah-bukkit -m myimage.img.manifest.xml
```

euca-delete-group

Deletes a security group.

Syntax

```
euca-delete-group group_name [-m manifest_path
    ][-p prefix ]
```

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Options

Option	Description	Required
group_name	Name of the security group to be deleted	Yes
`-m, --manifest` *manifest*	The manifest filename (without the path). We recommend you specify either the manifest (option -m), or the filename prefix (option -p).	Conditional
`-p, --prefix` *emi_prefix*	The filename prefix for the bundled EMI files	Conditional

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("GROUP")
- Group name

Example

```
 euca-delete-group mygroup
GROUP   mygroup
```

euca-delete-keypair

Delete an existing keypair

Syntax

```
euca-delete-keypair keypair_name
```

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Options

Option	Description	Required
keypair_name	Unique name of the keypair to delete	

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("KEYPAIR")
- Keypair name
-

Example

```
 euca-delete-keypair mykey
KEYPAIR mykey
```

euca-delete-snapshot

Deletes a snapshot.

Syntax

```
euca-delete-snapshot snapshot_id
```

Options

Option	Description	Required
snapshot_id	Unique identifier for the snapshot to be deleted.	Yes

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Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("SNAPSHOT")
- Snapshot ID

Example

```
euca-delete-snapshot snap-5E313F37
SNAPSHOT    snap-5E313F37
```

euca-delete-volume

Deletes a volume in a specified availability zone.

Syntax

```
euca-delete-volume volume_id
```

Options

Option	Description	Required
volume_id	Unique identifier for volume to be deleted	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.

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Option	Description
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("VOLUME")
- Volume ID

Example

```
euca-delete-volume vol-84B54112
VOLUME  vol-84B54112
```

euca-deregister

Deregisters an image in the cloud.

Syntax

```
euca-deregister image_id
```

Options

Option	Description	Required
`image_id`	Unique identifier for image to be deregistered	

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID

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Option	Description
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("IMAGE")
- Image ID

Example

```
euca-deregister emi-15A1386E
IMAGE   emi-15A1386E
```

euca-describe-addresses

Shows a list of public IP address that you have allocated. If you have assigned these to an instance, this list also includes the associated instance for each IP.

Syntax

```
euca-describe-addresses [--filter name=value] [ ip ]
```

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error

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Option	Description
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("ADDRESS")
- Elastic IP address
- Instance ID that the IP address is assigned to
- IP address domain

Examples

As a user:

```
euca-describe-addresses
ADDRESS 86.75.30.9  None    standard
ADDRESS 86.75.30.10 i-E7AC420A      standard
```

As a cloud administrator:

```
euca-describe-addresses
ADDRESS 86.75.30.9  available
(arn:aws:euare::790547641019:user/admin)  standard
ADDRESS 86.75.30.10 i-E7AC420A
(arn:aws:euare::790547641019:user/admin)  standard
ADDRESS 86.75.30.11 nobody  standard
```

euca-describe-availability-zones

Shows information about availability zones.

Syntax

```
euca-describe-availability-zones [ zone ]
```

Options

Option	Description	Required
`message`	Message giving information about the availability zone.	
`region-name`	Region the availability zone is in	
`state`	State of the availability zone	
`zone-name`	Name of the availability zone	

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.

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Option	Description
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("AVAILABILITYZONE")
- Availability zone name
- State of the availability zone

Example

As a user:

```
 euca-describe-availability-zones
AVAILABILITYZONE    zone00  192.168.37.5
arn:euca:eucalyptus:zone00:cluster:zone00-cc00/
```

euca-describe-bundle-tasks

Describes currently submitted bundle tasks and their states.

Syntax

```
euca-describe-bundle-tasks [bundle ...]
```

Options

Option	Description	Required
`bundle`	Identifier of the bundle task to describe. If you do not specify a bundle task ID, all bundle tasks are returned.	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.

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Option	Description
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("BUNDLE")
- Bundle ID
- Instance ID
- Bucket name
- Image prefix
- Bundle state (pending, waiting-for-shutdown, bundling, storing, cancelling, complete, failed)
- Percentage progress, if state is "bundling"
- Start time
- Update time

Example

```
euca-describe-bundle-tasks
BUNDLE bun-CFF03DFA i-E7AC420A mah-bukkit winemi pending
2012-01-01T00:00:00.000Z 2012-01-01T00:00:00.000Z
```

euca-describe-groups

Shows information about security groups.

Syntax

```
euca-describe-groups [ group_name ]
```

Options

Option	Description	Required
`group_name`	Name of a security group, if you want information about one particular group	No

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Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("GROUP")
- Account ID of the security group owner
- Security group name
- Security group description
- Output type identifier ("PERMISSION")
- Account ID of the security group owner
- Group name that is granting permission
- Rule type (only ALLOWS is supported)
- Protocol
- Port range start
- Port range end
- Source

Example

```
euca-describe-groups
GROUP   790547641019    mygroup A new group
GROUP   790547641019    default default group
PERMISSION  790547641019    default ALLOWS  icmp    -1  -1  FROM
CIDR    0.0.0.0/0
PERMISSION  790547641019    default ALLOWS  tcp     22  22  FROM
CIDR    0.0.0.0/0
```

euca-describe-image-attribute

Show an image attribute. You can get information about only one attribute per request.

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Syntax

```
euca-describe-image-attribute [-B, --block-device-mapping][-l,
     --launch-permission][-p, --product-
     code][--kernel][--ramdisk] image_id
```

Options

Option	Description	Required
`image_id`	Unique identifier for the image that you want to retrieve the attributes for	Yes
`-l, --launch-permission`	Describes the launch permissions of the image	No
`-p, --product-code`	Describes the product code associated with the image	No
`-B, --block-device-mapping`	Describes mapping that defines device names to use when exposing virtual devices.	No
`--kernel`	Describe the kernel ID the image will be launched with	No
`--ramdisk`	Describe the RAM disk ID the image will be launched No with.	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Attribute type identifier
- Image ID
- Information about the attribute

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Examples

Example using block device mapping:

```
euca-describe-image-attribute -B emi-815A395B
blockDeviceMapping  emi-815A395B    blockDeviceMap  /dev/sda1: root
blockDeviceMapping  emi-815A395B    blockDeviceMap  sda2: ephemeral0
blockDeviceMapping  emi-815A395B    blockDeviceMap  sda3: swap
blockDeviceMapping  emi-815A395B    blockDeviceMap  sda1: emi
```

Example using launch permission:

```
euca-describe-image-attribute -l emi-815A395B
launchPermission    emi-815A395B    group   all
launchPermission    emi-815A395B    userId  790547641019
```

euca-describe-images

Shows information about an image you own, or an image you have been given permission ot execute, or a public image owned by someone else.

Syntax

```
euca-describe-images  [-a][-o owner ][-x executable_by ]
      [ image ]
```

Options

Option	Description	Required
`image`	Image ID to describe	No
`-a, --all`	Describe all Eucalyptus machine images (EMIs)	No
`-o, owner` *`owner`*	Returns EMIs owned by the specified owner. Valid values: `self` | *`Account ID`*	No
`-x, --executable-by` *`user_id`*	Returns EMIs the specified user ID has launch permissions for	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.

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Option	Description
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("IMAGE")
- Image ID
- Manifest path
- Account ID that registered the image
- Image status (available, pending, failed)
- Image visibility (public or private)
- Product codes, if any, attached to the instance
- Image architecture (i386 or x86_64)
- Image type (machine, kernel, or ramdisk)
- Kernel ID of the kernel (machine images only)
- RAM ID associated with the image (machine images only)
- Root device type (ebs or instance-store)
- Virtualization type (paravirtual or hvm)
- Output type identifier ("BLOCKDEVICEMAPPING") for EMIs that use one or more EBS volumes
- Any tags assigned to the image
- Hypervisor type (xen or kvm)

Example

```
euca-describe-images
IMAGE   eki-3E5B3B31
mah-bukkit/vmlinuz-2.6.28-11-generic.manifest.xml  000000000001
available   public      x86_64  kernel          instance-store
IMAGE   emi-815A395B    mah-bukkit/ubuntu.9-04.x86-64.img.manifest.xml
790547641019    available   public      x86_64  machine eki-3E5B3B31
 eri-32B338DC    instance-store
IMAGE   eri-32B338DC
mah-bukkit/initrd.img-2.6.28-11-generic.manifest.xml   000000000001
available   public      x86_64  ramdisk         instance-store
```

euca-describe-instances

Shows information about instances.

Syntax

```
euca-describe-instances instance_id
```

Options

Option	Description	Required
`instance_id`	Instance ID to describe	No

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("RESERVATION")
- Reservation ID
- Account ID
- Security group name
- Output type identifier ("INSTANCE")
- Instance ID
- EMI ID that the instance is based on
- Instance state
- Product codes attached to the instance
- Instance type
- Instance launch time
- Availability Zone
- Kernel ID
- RAM disk ID
- Public IP address
- Private IP address
- Type of root device (ebs or instance-store)
- Placement group the cluster instance is in
- Output type identifier ("BLOCKDEVICE") for each EBS volume the instance is using
- Block device name
- Volume ID
- Timestamp

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Examples

The following example shows the request and output for a simple command.

```
euca-describe-instances
RESERVATION    r-1AE63E97    133764149866    admingroup
INSTANCE    i-1BD543F0    emi-EBD5387D    192.168.10.187    10.1.0.107
running    adminkey    0        m1.small    2012-02-15T17:24:52Z    PARTI00
  eki-6DF93987    eri-4CEF36C4
```

euca-describe-keypairs

Shows information about key pairs.

Syntax

```
euca-describe-keypairs [ keypair_name ]
```

Options

Option	Description	Required
`keypair_name`	Key pair name to describe	No

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("KEYPAIR")
- Key pair name
- Private key fingerprint

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Example

```
euca-describe-keypairs
KEYPAIR mykey   52:5f:e7:03:67:ad:b5:f3:65:4b:94:77:90:61:5f:1e:44:96:74:62
```

euca-describe-regions

Shows information about regions.

Syntax

```
euca-describe-regions [ region_name ]
```

Options

Options

Option	Description	Required
`region_name`	Region name to describe	No

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("REGION")
- Region name
- Service endpoint

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Example

```
REGION  eucalyptus  http://86.75.30.9:8773/services/Eucalyptus
REGION  walrus  http://86.75.30.9:8773/services/Walrus
```

euca-describe-snapshots

Shows information about snapshots.

Syntax

```
euca-describe-snapshots [ snapshot_id ] [-o, owner ]
      [-r restorable_by ] [-v]
```

Options

Option	Description	Required
`snapshot_id`	Snapshot ID to describe	No

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("SNAPSHOT")
- Snapshot ID
- Volume ID
- Snapshot state
- Time stamp when snapshot initiated
- Percentage of completion
- Owner ID
- Volume size

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- Description

Example

```
euca-describe-snapshots
SNAPSHOT    snap-5E313F37   vol-84B54112    completed
2012-01-01T00:00:00Z    100%
```

euca-describe-volumes

Shows information about volumes.

Syntax

```
euca-describe-volumes [ volume_id ] [-v]
```

Options

Option	Description	Required
`volume_id`	Volume ID to describe	No

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("VOLUME")
- Volume ID
- Volume size, in GiBs
- Snapshot the volume was created from, if applicable
- Availability zone that the volume was launched in
- Volume state

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- Time stamp when volume creation initiated

Example

```
euca-describe-volumes -z zone00 -s 5
VOLUME  vol-84B54112    5   zone00  available   2012-01-01T00:00:00.000Z
```

euca-detach-volume

Detaches a volume from an instance.

Syntax

```
euca-detach-volume volume_id [-i instance_id ][-d device ][-f ]
```

Options

Option	Description	Required
volume_id	Volume ID to be detached	Yes
-i, --instance *instance_id*	Instance ID	No
-d, --device *device*	Device name	No
-f, --force	Forces detachment if the previous detachment did not occur cleanly. Use only as a last resort to detach a volume from a failed instance. Perform file system check and repair procedures if you use this option.	

Common Options

Option	Description
--region *region*	Region to direct requests to. Only valid for EC2 endpoints.
-U,--url *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
-a,--access-key *access_key_id*	User's access key ID
-s,--secret-key *secret_key*	User's secret key
--config *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
--debug	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
--debugger	Enable interactive debugger on error
-h,--help	Display the manual page for the command.
--version	Display the version of this tool

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Output

- Output type identifier ("VOLUME")
- Volume ID

Example

```
euca-detach-volume vol-639C3E6C
VOLUME  vol-639C3E6C
```

euca-disassociate-address

Disassociate an elastic IP address from an instance.

Syntax

```
euca-disassociate-address ip
```

Options

Option	Description	Required
`ip`	Elastic IP address to disassociate	

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("ADDRESS")
- IP address

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Example

```
euca-disassociate-address 86.75.30.9
ADDRESS 86.75.30.9
```

euca-download-bundle

Download the specified bundles from Walrus storage.

Syntax

```
euca-download-bundle  -b bucket [-m manifest_path
    ][-p prefix ][-d directory ]
```

Options

Option	Description	Required
`-b,--bucket` *`bucket`*	Name of the bucket where the bundle is located.	Yes
`-m, --manifest` *`manifest`*	The manifest filename (without the path). We recommend you specify either the manifest (option -m), or the filename prefix (option -p).	Conditional
`-p, --prefix` *`emi_prefix`*	The filename prefix for the bundled EMI files	Conditional
`-d, --directory` *`directory`*	The directory where the downloaded bundle is saved. This directory must exist. Default: `/tmp`	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

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Output

Eucalyptus returns status messages that indicate the various stages of the download process.

Example

```
euca-download-bundle -b mah-bukkit -m myimage.img.manifest.xml
Downloading myimage.img.manifest.xml
Downloading myimage.img.part.00
Downloading myimage.img.part.01
Downloading myimage.img.part.02
Downloading myimage.img.part.03
```

euca-get-console-output

Prints console output from a running instance. This command is not supported on all hypervisors. This works if you are using KVM. It does not work with VMware. If you are using Xen, you must configure Xen for this command.

Syntax

```
euca-get-console-output instance_id
```

Options

Option	Description	Required
`instance_id`	Instance ID that you want to see the console output for	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Instance ID

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- Timestamp indicating the time of the last update
- Console output for the instance

Example

```
euca-get-console-output i-12623E16
i-12623E16
2012-01-01T00:00:00.000Z
...
```

euca-get-password

Retrieves and decrypts the administrator password for a Windows instance.

Syntax

```
euca-get-password  instance_id -k key_file
```

Options

Option	Description	Required
`-k,--priv-launch-key` *`key_file`*	The file that contains the private key used to launch the instance	Yes
`instance_id`	Windows instance ID	Yes

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the Windows administrator password.

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Example

```
euca-get-password -k mykey i-12623E16
YxL8y3me
```

euca-get-password-data

Gets encoded version of the password, which you then need to decrypt using the private key.

Syntax

```
euca-get-password-data instance_id
```

Options

Option	Description	Required
instance_id	ID of the Windows instance	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the encoded version of the password.

Example

```
 euca-get-password-data i-12623E16
cGbkqqXlXcDTaMTYZMaQ77/1w6Pnzd7mkczNeBXde16T4SHW71KKCTYWrwE9v8VXCefvW8P5HTScNVNs
Uv4zEXpAkJ/jxToITVvUEyazGWnGOvRk8t+nVgLaCJUksf5sxz0c0oiVUK5hiFHqpbylli9wXLGY7TRc
XGdyFGdY2URLV5luT9SS9yF2R9yIGRiqO61ptdmPF8PQOunpKKGxC2SqKnhsoEtrLiGXDAMMS/JCvCK8
ZuCnjMSph1sPYoNlUJT3NGwXvoNJEzedrRNLy8mdFBphVxsimWSv5XDURCkvfJa1JwgFvPrvAoAeN8MP
tmV9Gjz8I6CWznomN6Wmgw==
```

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euca-modify-image-attribute

Modifies an attribute of an EMI.

Syntax

```
euca-modify-image-attribute image_id [ -l ][-p product_code ][-a
    entity][-r entity ]
```

Options

Option	Description	Required
image_id	Unique identifier for the image that you want to modify the attributes of	Yes
-l, --launch-permission	Used with the --add or --remove option to grant or revoke launch permissions	Yes
-a, --add *entity*	Adds a launch permission for the specified account or for all accounts. Valid Values: account identifier | all	Yes
-r, --remove *entity*	Removes a launch permission for the specified account or for all users. Valid Values: account identifier | all	Yes
-p, --product-code *code*	Product code to add to the specified EMI. Once you add a product code to an EMI, it can't be removed	Yes

Common Options

Option	Description
--region *region*	Region to direct requests to. Only valid for EC2 endpoints.
-U,--url *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
-a,--access-key *access_key_id*	User's access key ID
-s,--secret-key *secret_key*	User's secret key
--config *configuration_path*	Read credentials and cloud settings from the specified config file. Default: $HOME/.eucarc or /etc/euca2ools/eucarc.
--debug	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
--debugger	Enable interactive debugger on error
-h,--help	Display the manual page for the command.
--version	Display the version of this tool

Output

- Output type identifier ("IMAGE")
- Image ID

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Example

The following example makes the EMI public, so that all accounts can launch it.

```
euca-modify-image-attribute -l -a all emi-15A1386E
IMAGE   emi-15A1386E
```

The following example denies launch permission for a specific account.

```
euca-modify-image-attribute -l -r 790547641019 emi-15A1386E
IMAGE   emi-15A1386E
```

euca-reboot-instances

Reboots specified instances.

Syntax

```
euca-reboot-instances instance_id [instance_id ...]
```

Options

Option	Description	Required
`instance_id`	Unique identifier for instance to reboot	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("INSTANCE")
- Instance ID

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Example

```
euca-reboot-instances i-12623E16
INSTANCE    i-12623E16
```

euca-register

Registers a manifest for use with the cloud.

Syntax

```
euca-register [manifest] -n name [-d description ]
    [-a architecture ][--kernel kernel ] [--ramdisk ramdisk ]
    [--root-device-name root_device_name ] [-b block_device_mapping ]
    [-s snapshot ]
```

Options

Option	Description	Required
manifest	Path to the uploaded image (bucket/manifest). Required if you are registering an S3-based image.	Conditional
-n, --name	Name of the image. Constraints: 3-128 alphanumeric characters, parenthesis (()), commas (,), slashes (/), dashes (-), or underscores(_)	Yes
-d, --description *description*	Description of the image Constraints: Up to 255 characters.	No
-a, --architecture *architecture*	The architecture of the image Valid Values: i386 | x86_64	No
--kernel	Kernel ID associated with the image	No
--ramdisk	Ramdisk ID associated with the image	No
--root-device-name *name*	Root device name (for example, /dev/sda1, or xvda)	No
-b, --block-device-mapping *mapping*	Block device mapping for the instance. This is passed in the form of <devicename>=<blockdevice>, where: devicename is the device name of the physical device on the instance to map and blockdevice is one of the following values: • none: Use this value to suppress existing mapping on the specified image for this device. For example: /dev/sdc=none • ephemeral[0..3]: Use this value to indicate that an instance local storage device should be mapped to this device. For example: /dev/sdc=ephemeral0 • [snapshot-id]:[size]:[delete-on-termination (true|false)]: Use this value to map a device to an existing EBS-backed volume, and to specify whether the EBS volume should be deleted on termination. This value defaults to true.	No

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Option	Description	Required
	To specify a new EBS-backed volume, skip the snapshot ID and pass in a volume size instead. For example: `/dev/sdb=:20`.	
`-s,--snapshot` *`snapshot`*	EBS snapshot ID to use as the root device	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("IMAGE")
- Image ID
-

Example

```
euca-register -a i386 --description 'My new image' --name 'myimage'
mah-bukkit/myimage.img.manifest.xml
IMAGE   emi-15A1386E
```

euca-release-address

Releases an elastic IP address that you allocated.

Syntax

```
euca-release-address ip_address
```

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Options

Option	Description	Required
ip_address	The elastic IP address to release	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("ADDRESS")
- Elastic IP address

Example

```
euca-release-address 86.75.30.9
ADDRESS 86.75.30.9
```

euca-reset-image-attribute

Reset attributes of an image.

Syntax

```
euca-reset-image-attribute image_id [-l]
```

Options

Option	Description	Required
image_id	Image ID that you want to reset the attributes for.	Yes
`-l,--launch-permission`	Show launch permissions	

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Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("IMAGE")
- Image ID

Example

The following example resets launch permissions for an image.

```
euca-reset-image-attribute -l emi-15A1386E
IMAGE   emi-15A1386E
```

euca-revoke

Revokes a rule for a security group.

Syntax

```
euca-revoke  group_name [-P {tcp,udp} -p port_range] [-s cidr_range]
```

```
euca-revoke  group_name [-P icmp -t type:code] [-s cidr_range]
```

Options

Option	Description	Required
`group_name`	Name of the security group to add the rule to.	Yes
`-P, --protocol` *protocol*	IP protocol name or number. Valid values: `tcp` | `udp` | `icmp`	No

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Option	Description	Required
`-p` *`port_range`*	Specifies the range of ports to allow for TCP and UDP. Not valid for ICMP. Valid values: Single integer or range (min-max). Use `-1` to specify all ports.	Conditional
`-t, --icmp-type-code`	ICMP type and code specified as "type:code". Only works if you specify ICMP as the protocol.	Conditional
`-o, --source-group` *`source_group`*	Group from which traffic is authorized by the rule. Every instance in the security group is allowed to pass traffic.	No
`-u, --source-group-user` *`source_group_user`*	ID of the security group user you name in the -o parameter	No
`-s, --source-subnet` *`source_subnet`*	Addresses to apply the rule to Default: `0.0.0.0/0`	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("GROUP", "PERMISSION")
- Group name
- Rule type (EC2 only supports an ALLOW rule)
- Protocol
- Port range start
- Port range end

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Example

```
euca-revoke default -P tcp -p 80 -s 0.0.0.0/0
GROUP   default
PERMISSION  default ALLOWS  tcp 80  80  FROM    CIDR    0.0.0.0/0
```

```
euca-revoke -P tcp -p 6697-7000 -s 1.2.3.0/24 mygroup
GROUP   mygroup
PERMISSION  mygroup ALLOWS tcp 6697 7000 FROM CIDR 1.2.3.0/24
```

```
euca-revoke -P icmp -t 0:0 -o othergroup -u 1234567890 mygroup
GROUP   mygroup
PERMISSION  mygroup ALLOWS  icmp    USER    1234567890      GRPNAME othergroup
      FROM    CIDR    0.0.0.0/0
```

euca-run-instances

Runs instances of the specified machine image.

Syntax

```
euca-run-instances image_id [-n count ][-g
    group_name ][-k keyname ][-d user_data_file ]
    [-t instance_type ][--kernel kernel ][--ramdisk ramdisk
    ][-b block_device_mapping][--monitor] [-z zone ]
```

Options

Option	Description	Required
image_id	ID of the image to run	Yes
-n,--instance-count *min[-max]*	Number of instances to run. If this is specified as a range (min-max), Eucalyptus will try to run the maximum number, but no fewer than the minimum number.	No
-g,--group *group*	Security group to run the instance in	No
-k,--key *keypair*	Name of a key pair	No
-d,--user-data *user_data*	User data to pass to the instance	No
-f,--user-data-file *user_data_file*	File containing user data to pass to the instance	No
-t,--instance-type	Instance type to run.	No
--kernel	Kernel ID to be used	No
--ramdisk	Ramdisk ID to be used	No
-b,--block-device-mapping	Block device mapping for the instance. This is passed in the form of <devicename>=<blockdevice>, where: `devicename` is the device name of the physical device on the instance to map and `blockdevice` is one of the following values: • `none`: Use this value to suppress existing mapping on the specified image for this device. For example: `/dev/sdc=none`	No

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Option	Description	Required
	• `ephemeral[0..3]`: Use this value to indicate that an instance local storage device should be mapped to this device. For example: `/dev/sdc=ephemeral0` • `[snapshot-id]:[size]:[delete-on-termination (true|false)]`: Use this value to map a device to an existing EBS-backed volume, and to specify whether the EBS volume should be deleted on termination. This value defaults to `true`. To specify a new EBS-backed volume, skip the snapshot ID and pass in a volume size instead. For example: `/dev/sdb=:20`.	
`-z,--availability-zone`	Availability zone to run the instance in	No

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("RESERVATION")
- Instance ID that uniquely identifies each running instance
- EMI ID of the image on which the instance(s) are based
- Instance state. This is usually pending, which indicates that the instance(s) are preparing to launch
- Key pair name (if a key pair was associated with the instance at launch)
- Product code (if applicable)
- Instance type
- Instance launch time
- Availability zone
- Kernel ID
- RAM disk ID
- Monitoring status
- Root device type (ebs or instance-store)
- Placement group the cluster instance is in

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Example

```
euca-run-instances -k mykey -g mygroup emi-15A1386E
RESERVATION r-D8A4438A  790547641019    default
INSTANCE    i-12623E16  emi-15A1386E    0.0.0.0 0.0.0.0 pending kp00
 0       m1.small    2012-01-01T00:00:00.000Z    zone00
```

euca-start-instances

Starts a stopped EBS-based instance.

Syntax

```
euca-start-instances instance_id
```

Options

Option	Description	Required
instance_id	Unique identifier for instance to start	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("INSTANCE")
- Instance ID

Example

```
euca-start-instances i-12623E16
INSTANCE    i-12623E16
```

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euca-stop-instances

Stops a running EBS-based instance.

Syntax

```
euca-stop-instances instance_id [-f]
```

Options

Option	Description	Required
instance_id	Unique identifier for instance to stop	Yes
-f,--force	Forces the instance to stop	No

Common Options

Option	Description
--region *region*	Region to direct requests to. Only valid for EC2 endpoints.
-U,--url *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
-a,--access-key *access_key_id*	User's access key ID
-s,--secret-key *secret_key*	User's secret key
--config *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
--debug	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
--debugger	Enable interactive debugger on error
-h,--help	Display the manual page for the command.
--version	Display the version of this tool

Output

- Output type identifier ("INSTANCE")
- Instance ID

Example

```
euca-stop-instances i-12623E16
INSTANCE    i-12623E16
```

euca-terminate-instances

Terminates the specified instances.

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Syntax

```
euca-terminate-instances instance_id
```

Options

Option	Description	Required
instance_id	Unique identifier for instance to terminate	Yes

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("INSTANCE")
- Instance ID

Example

```
 euca-terminate-instances i-12623E16
INSTANCE    i-12623E16
```

euca-unbundle

Unbundles a previously uploaded bundle and extracts the image from it. You must have the X.509 certificate that was used to create the bundle.

Syntax

```
euca-unbundle -m manifest_path [-k private_key_path ]
    [-d destination_dir ] [-s source_dir ]
```

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Options

Option	Description	Required
`-m,--manifest` *`manifest`*	Path to the manifest file	Yes
`-k,--privatekey` *`private_key`*	Path to private key used to encrypt bundle	Yes
`-d,--destination` *`destination_directory`*	Directory to store the image to. Defaults to the current directory.	No
`-s,--source` *`source_directory`*	Source directory for the bundled image parts. Defaults to manifest directory.	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns status messages indicating the various stages of the unbundling process.

Example

```
 euca-unbundle -m /tmp/myimage.img.manifest.xml
Part: myimage.img.part.00
Part: myimage.img.part.01
Part: myimage.img.part.02
Part: myimage.img.part.03
Decrypting image
Uncompressing image
```

euca-upload-bundle

Uploads a previously bundled image to the cloud.

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Syntax

```
euca-upload-bundle -b bucket_name -m manifest_file
```

Options

Option	Description	Required
`-b,--bucket` *`bucket_name`*	Name of the bucket to upload to	Yes
`-m,--manifest` *`manifest_file`*	Path to the manifest file for bundled image	Yes
`--acl`	Canned access policy	No
`--ec2cert` *`cert_path`*	Path to the cloud's X509 public key certificate	No
`-d,--directory` *`directory`*	The directory containing the bundled image to upload. Defaults to the manifest directory.	No
`--part`	Uploads specified part and all subsequent parts	No
`--skipmanifest`	Do not upload the manifest	
`--location`	The location of the destination S3 bucket Valid values: `US` | `EU` | `us-west-1` | `ap-southeast-1` | `ap-northeast-1`	No

Common Options

Option	Description
`--region` *`region`*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *`url`*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *`access_key_id`*	User's access key ID
`-s,--secret-key` *`secret_key`*	User's secret key
`--config` *`configuration_path`*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns status messages that indicate the stages and status of the upload process.

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Example

```
euca-upload-bundle -b mah-bukkit -m /tmp/myimage.img.manifest.xml
Checking bucket: mah-bukkit
Creating bucket: mah-bukkit
Uploading manifest file
Uploading part: myimage.img.part.00
Uploading part: myimage.img.part.01
Uploading part: myimage.img.part.02
Uploading part: myimage.img.part.03
Uploaded image as mah-bukkit/myimage.img.manifest.xml
```

euca-version

Displays version of Euca2ools.

Syntax

```
euca-version
```

Options

None

Common Options

Option	Description
`--region` *region*	Region to direct requests to. Only valid for EC2 endpoints.
`-U,--url` *url*	URL of the cloud to connect to. Expects an EC2 endpoint /services/Eucalyptus.
`-a,--access-key` *access_key_id*	User's access key ID
`-s,--secret-key` *secret_key*	User's secret key
`--config` *configuration_path*	Read credentials and cloud settings from the specified config file. Default: `$HOME/.eucarc or /etc/euca2ools/eucarc`.
`--debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the version number of Euca2ools, along with its codename.

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Example

```
euca-version
euca2ools 2.1.0 (Stencil)
```

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IAM-Compatible Commands

Commands that begin with the `euare-` prefix are compatible with AWS Identity Management and Access Control (IAM).

euare-accountaliascreate

An account has two identifiers: a numeric ID and a human-readable alias. For a new account, the human-readable alias is the name given at the account's creation time. If you deleted your account alias, use this command to add a new one using your account's numeric ID.

Syntax

```
euare-accountaliascreate -a account_alias [--delegate account]
```

Options

Option	Description	Required
`-a, --account-alias` *account_alias*	The new alias for the account.	Yes
`--delegate` *account*	This Eucalyptus extension is for use by the system administrator to act as the account administrator of the specified account without changing to account admininstrator's role.	No

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

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Examples

The following example adds an alias to your own account.

```
euare-accountaliascreate -a myacct
```

The following example adds an alias to another account as the cloud administrator.

```
euare-accountaliascreate -a myacct --delegate 612184482095
```

euare-accountaliasdelete

Deletes an alias for your account.

Syntax

```
euare-accountaliasdelete -a account_alias [--delegate account]
```

Options

Option	Description	Required
`-a, --account-alias` *account_alias*	The alias you want to delete.	Yes
`--delegate` *account*	This Eucalyptus extension is for use by the system administrator to act as the account administrator of the specified account without changing to account admininstrator's role.	No

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

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Examples

The following example deletes an alias for an account that you own.

```
euare-accountaliasdelete -a myacct
```

The following example deletes another account's alias as the cloud administrator.

```
euare-accountaliasdelete -a myacct --delegate myacct
```

This command also works with the numeric ID of the account in question for the delegate option, but not the -a option. For example:

```
euare-accountaliasdelete -a myacct --delegate 612184482095
```

euare-accountaliaslist

Lists the alias for your account.

Syntax

```
euare-accountaliaslist
```

Options

None

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns a list of aliases for the account ID making the request.

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Example

```
euare-accountaliaslist
Alias: myacct
```

euare-accountcreate

Creates a new account. You must be a cloud admininistrator to use this command.

Syntax

```
euare-accountcreate -a account_name
```

Options

Option	Description	Required
`-a, --account-name` *account_name*	The name of the new account	Yes

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the account name and the generated account ID.

Example

```
euare-accountcreate -a myacct
myacct  612184482095
```

euare-accountdel

Deletes an account. You must be a cloud admininistrator to use this command.

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Syntax

```
euare-accountdel -a account_name
```

Options

Option	Description	Required
`-a, --account-name` *account_name*	The name of the account to delete.	Yes

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-accountdel -a myacct
```

euare-accountdelpolicy

Deletes an account's policy. You must be a cloud administrator or an account administrator to use this command.

Syntax

```
euare-accountdelpolicy -a account_name -p policy_name
```

Options

Option	Description	Required
`-a, --account-name` *account_name*	Name of the account the policy is associated with	Yes

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Option	Description	Required
`-p, --policy-name` *`policy_name`*	Name of the policy document to delete	Yes

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-accountdelpolicy -a myacct -p mypolicy
```

euare-accountgetpolicy

Gets an account's policy.

Syntax

```
euare-accountgetpolicy -a account_name -p policy_name
```

Options

Option	Description	Required
`-a, --account-name` *`account_name`*	Name of the account the policy is associated with	Yes
`-p, --policy-name` *`policy_name`*	Name of the policy to return	Yes

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Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the account policy.

Example

```
euare-accountgetpolicy -a myacct -p mypolicy
<IAM policy>
```

euare-accountgetsummary

Returns number of groups and users in your account.

Syntax

```
euare-accountgetsummary
```

Options

None

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value

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Option	Description
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns a list of entity quotas and number of entities used.

Example

```
euare-accountgetsummary
Groups: 1
Users: 1
```

euare-accountlist

Lists accounts in the system

Syntax

```
euare-accountlist
```

Options

None

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns a list of all account names and associated account IDs.

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Example

```
euare-accountlist
eucalyptus      790547641019
myacct          612184482095
```

euare-accountlistpolicies

Lists all policies for an account.

Syntax

```
euare-accountlistpolicies -a account_name
```

Options

Option	Description	Required
`-a, --account-name` *account_name*	The name of the new account	Yes
`-m, --marker` *marker*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set this parameter to the value of the `marker` element in the response you just received.	No
`--max-items` *max_items*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns a listing of all policies associated with the account.

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Example

```
euare-accountlistpolicies -a myacct
mypolicy
```

euare-accountuploadpolicy

Uploads a policy to an account.

Syntax

```
euare-accountuploadpolicy -a account_name -p
    policy_name [-o policy_content | -f policy_document
```

Options

Option	Description	Required
`-a, --account-name` *account_name*	Name of the account the policy is associated with	Yes
`-p, --policy-name` *policy_name*	Name of the policy document to delete	Yes
`-o, --policy-content` *policy_content*	The policy document content. Include this content if you do not include the `policy-document` option.	Conditional
`-f, --policy-document` *policy_document*	The policy document file. Include this file if you do not include the `policy-content` option.	Conditional

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

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Examples

The following example uploads a policy using the policy content in the command.

```
euare-accountuploadpolicy -a myacct -p mypolicy -o '<IAM policy>'
```

The following example uploads a policy using content in a policy file.

```
euare-accountuploadpolicy -a myacct -p mypolicy -f <file containing
IAM policy>
```

euare-getldapsyncstatus

Retrieve the synchronization status for your LDAP and Eucalyptus policies database.

Syntax

```
euare-getldapsyncstatus
```

Options

None

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier ("SyncEnabled")
- Enabled status
- Output type identifier ("InSync")
- Synchronization status

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Example

```
euare-getldapsyncstatus
SyncEnabled     false
InSync  false
```

euare-groupaddpolicy

Adds a new policy to a group.

Syntax

```
euare-groupaddpolicy -g group_name -p policy_name -e effect -a 'ec2:*'
```

Options

Option	Description	Required
`-g, --group-name` *`group_name`*	Name of the group to associate the policy with	Yes
`-p, --policy-name` *`policy_name`*	Name of the policy document	Yes
`-e, --effect` *`effect`*	The value for the policy's `Effect` element. Valid values: `Allow` | `Deny`	Yes
`-a, --action` *`action`*	The value for the policy's `Action` element. This value specifies both the service and action you want to allow or deny permission to. For example: `-a iam:ListAccessKeys`.	Yes
`-o`	This option tells Eucalyptus to output the JSON policy document that IAM created for you.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

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Output

Eucalyptus does not return any message.

Examples

The following policy allows all actions in EC2.

```
euare-groupaddpolicy -g mygroup -p mypolicy -e Allow -a 'ec2:*'
```

The following policy allows all actions in EC2 and outputs the generated JSON policy.

```
euare-groupaddpolicy -g mygroup -p mypolicy -e Allow -a 'ec2:*' -o
{"Version":"2008-10-17","Statement":[{"Effect":"Allow",
"Action":["ec2:*"], "Resource":["*"]}]}
```

euare-groupadduser

Adds a user to a group.

Syntax

```
euare-groupadduser -g group_name -u user_name
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group the user will be added to	Yes
`-u, --user-name` *user_name*	Name of the user to add to the group	Yes

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

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Output

Eucalyptus does not return any message.

Example

```
euare-groupadduser -g mygroup -u myuser
```

euare-groupcreate

Creates a group.

Syntax

```
euare-groupcreate -g group_name
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group you want to create.	Yes
`-p, --path` *path*	The path to the group. For more information about paths, go to *Identifiers for IAM Entities*. If you do not enter a value, the value defaults to a slash (/).	No
`-v, --verbose`	Causes the response to include the newly created group's Amazon resource name (ARN) and globally unique identifier (GUID).	No

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

If you send the `-v` option with this command, Eucalyptus returns the following:

- ARN

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- GUID

Example

```
euare-groupcreate -g mygroup
```

```
euare-groupcreate -g mygroup -v
arn:aws:iam::eucalyptus:group/mygroup
UVKA2FRJJL12DHGBY7NIR
```

euare-groupdel

Deletes a group. If the group has users or policies, you must use the recursive option (`-r`) to delete all of them.

Syntax

```
euare-groupdel -g group_name
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group to delete	Yes
`-r, --recursive`	Deletes the group, removes all users from the group and deletes all policies associated with the group. .	No
`-R, --recursive-euca`	This Eucalyptus extension behaves exactly like the `-r` option but it performs operations server-side rather than in the client.	No
`-p, --pretend`	Returns a list of users and policies that would be deleted if the `-r` or `-R` option were actually sent in with the request.	No

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`, --access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`, --secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

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Output

Eucalyptus does not return any message.

Example

```
euare-groupdel -g mygroup
```

euare-groupdelpolicy

Deletes a group policy.

Syntax

```
euare-groupdelpolicy -g group_name -p policy_name
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group the policy is associate with	Yes
`-p, --policy-name` *policy_name*	Name of the policy document to delete	Yes

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-groupdelpolicy -g mygroup -p mypolicy
```

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euare-groupgetpolicy

Retrieves a group's policy to the console screen.

Syntax

```
euare-groupgetpolicy -g group_name -p policy_name
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group the policy is associate with	Yes
`-p, --policy-name` *policy_name*	Name of the policy document to get	Yes

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the policy.

Example

```
euare-groupgetpolicy -g mygroup -p mypolicy
<IAM policy>
```

euare-grouplistbypath

Lists groups by path.

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Syntax

```
euare-grouplistbypath [-p path]
```

Options

Option	Description	Required
`-p, --path-prefix` *`path`*	The path prefix for filtering the results. For example, `/group_a/team_b/` returns all groups with a path that starts with `/group_a/team_b/`. If this parameter is empty, it defaults to a slash (/), listing all groups. Default: `/`	No
`-m, --marker` *`marker`*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set this parameter to the value of the `marker` element in the response you just received.	No
`--max-items` *`max_items`*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the Amazon Resource Names (ARNs) that have the specified path prefix.

Example

The following example lists all groups.

```
euare-grouplistbypath
groups
   arn:aws:iam::eucalyptus:group/group01
   arn:aws:iam::eucalyptus:group/mygroup
```

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euare-grouplistpolicies

Returns a listing of a group's policies.

Syntax

```
euare-grouplistpolicies -g group_name [-p policy_name
      ]
```

Options

Option	Description	Required
`-g, --group-name` *`group_name`*	Name of the group to list policies for	Yes
`-p, --policy-name` *`policy_name`*	Name of the policy document to display	No
`-m, --marker` *`marker`*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set this parameter to the value of the `marker` element in the response you just received.	No
`--max-items` *`max_items`*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the contents of the policy you requested, or the names of the policies attached to the specified group (and optionally the contents of each).

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Example

```
euare-grouplistpolicies -g mygroup
mypolicy
```

euare-grouplistusers

Returns a listing of the users in a group.

Syntax

```
euare-grouplistusers -g group_name
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group to list users for	Yes
`-m, --marker` *marker*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set this parameter to the value of the `marker` element in the response you just received.	No
`--max-items` *max_items*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus lists the Amazon Resource Names (ARNs) for the specified group.

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Example

```
euare-grouplistusers -g mygroup
arn:aws:iam::eucalyptus:group/mygroup
   users
   arn:aws:iam::eucalyptus:user/myuser
```

euare-groupmod

Changes the name or path for a group.

Syntax

```
euare-groupmod -g group_name [-n new_group_name]
      [-p new_path]
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group you want to modify. If you are changing the name of the group, enter the original name for this value.	Yes
`--new-group-name`	New name for the group. Only include this if you are changing the group's name.	No
`-p, --new-path`	New path for the group. Only include this if you are changing the group's path.	No

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

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Example

The following example changes a group's name.

```
euare-groupmod -g mygroup -n mygroup2
```

The following example changes a group's path.

```
euare-groupmod -g mygroup -p /mypath
```

The following example changes a group's name and path.

```
euare-groupmod -g mygroup -n mygroup2 -p /mypath
```

euare-groupremoveuser

Removes a user from a group.

Syntax

```
euare-groupremoveuser -g group_name -u user_name
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group to remove the user from	Yes
`-u, --user-name` *user_name*	Name of the user to remove from the group	Yes

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

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Example

```
euare-groupremoveuser -g mygroup -u myuser
```

euare-groupuploadpolicy

Uploads a policy for a group.

Syntax

```
euare-groupuploadpolicy -g group_name -p policy_name
      [-o policy_content | -f policy_document]
```

Options

Option	Description	Required
`-g, --group-name` *group_name*	Name of the group the policy will be added to	Yes
`-p, --policy-name` *policy_name*	Name of the policy document to upload	Yes
`-o, --policy-content` *policy_content*	The policy document content.	Conditional
`-f, --policy-document` *policy_document*	The policy document file.	Conditional

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`, --access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`, --secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

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Example

The following example uploads a policy using the policy content in the command.

```
euare-groupuploadpolicy -g mygroup -p mypolicy -o '<IAM policy>'
```

The following example uploads a policy using content in a policy file.

```
euare-groupuploadpolicy -g mygroup -p mypolicy -f <file containing IAM policy>
```

euare-useraddcert

Uploads a signing certificate.

Syntax

```
euare-useraddcert [-u user_name] [-c certificate_text | -f
      certificate_file]
```

Options

Option	Description	Required
`-u, --user-name` *user_name*	Name of the user the signing certificate is for	Np
`-c, --certificate-body` *certificate_text*	The contents of the signing certificate.	Conditional
`-f, --certificate-file` *certificate_file>*	The file that contains the signing certificate	Conditional

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`, --access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`, --secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

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Output

Eucalyptus returns a certificate ID that you will need to modify or delete the certificate in the future.

Example

The following example uploads a signing certificate as text for the user named myuser.

```
euare-useraddcert -u myuser -c '<PEM-encoded certificate>'
ER1AYGZEJ4O1BGRTYMYOH
```

The following example uploads a signing certificate as a .pem file for the user named myuser.

```
euare-useraddcert -u myuser -f <file containing PEM-encoded certificate>
ER1AYGZEJ4O1BGRTYMYOH
```

euare-useraddkey

Adds a new access key to the user sending the request, unless otherwise specified. Eucalyptus prints the secret access key to the console. We recommend that you write this to a file.

Syntax

```
euare-useraddkey [-u user_name]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user the signing certificate is for	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Access key ID

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- Secret access key

Example

The following example generates new keys for the user who owns the requesting credentials.

```
euare-useraddkey
UDHYLIGYKLURDIBAIUEMJ
0VhKjLs4QVA8F3o9Xl2bFhheQJL0K5I30kByFGdm
```

The following example generates new keys for myuser.

```
euare-useraddkey -u myuser
JMEUIABIDRULKYGILYHDU
mdGFyBk03I5K0LJQehhFb2lX9o3F8AVQ4sLjKhV0
```

euare-useraddloginprofile

Creates a login profile. This gives the access to the Eucalyptus Dashboard.

Syntax

```
euare-useraddloginprofile -u user_name -p password
```

Options

Option	Description	Required
`-u, --user-name` *user_name*	Name of the user the login profile is for	Yes
`-p, --password` *password*	The new password for the user	Yes

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

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Output

Eucalyptus does not return any message.

Example

```
euare-useraddloginprofile -u myuser -p SeekritPa$$w0rd
```

euare-useraddpolicy

Adds a new policy for a user.

Syntax

```
euare-useraddpolicy -p POLICY_NAME -e {Allow,Deny} -u USER -a ACTION [-r
RESOURCE]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user to associate the policy with	Yes
`-p, --policy-name` *`policy_name`*	Name of the policy document	Yes
`-e, --effect` *`effect`*	The value for the policy's `Effect` element. Valid values: `Allow` | `Deny`	Yes
`-a, --action` *`action`*	The value for the policy's `Action` element. This value specifies both the service and action you want to allow or deny permission to. For example: `-a iam:ListAccessKeys`.	Yes
`-o`	This option tells Eucalyptus to output the JSON policy document that `euare-useraddpolicy` created for you.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.

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Option	Description
`--version`	Display the version of this tool

Output

Eucalyptus returns the policy

Example

The following policy allows myuser all actions in EC2.

```
euare-useraddpolicy -u myuser -p mypolicy -e Allow -a 'ec2:*' -r '*'
```

The following policy allows myuser all actions in EC2 and outputs the generated JSON policy.

```
euare-useraddpolicy -u myuser -p mypolicy -e Allow -a 'ec2:*' -r '*' -o
{"Version":"2008-10-17","Statement":[{"Effect":"Allow",
"Action":["ec2:*"], "Resource":["*"]}]}
```

euare-usercreate

Creates a user.

Syntax

```
euare-usercreate -u user_name [-p path] [-g group_name ...] [-k]
```

Options

Option	Description	Required
`-u, --user-name` *user_name*	Name of the user to create	Yes
`-g, --group-name` *group_name*	Name of the group the user will belong to	No
`-k, --create-accesskey`	Use this option if you want to create an access key for the user	No
`-p, --path` *path*	The path to the user. For more information about paths, go to *Identifiers for IAM Entities*. If you do not enter a value, the value defaults to a slash (/).	No

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value

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Option	Description
`-S secret_key, --secret-key=secret_key`	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns no message unless you requested to create an access key for the user. In that case, Eucalyptus returns the access key ID and secret access key.

Examples

The following example creates a user, myuser, the group, mygroup.

```
euare-usercreate -u myuser -g mygroup
```

The following example creates a user, myuser and an access key for the user.

```
euare-usercreate -u myuser -k
FUZMHBQEXQKMJXTWOOVVW
Q59p8G9ZG4ePQYsvo30MJdpaMuoDiT52He1KVAt8
```

euare-usercreatecert

Creates a signing certificate for a user. This command is not part of the AWS IAM API.

Syntax

```
euare-usercreatecert -u user_name
```

Options

Option	Description	Required
`-u, --user-name user_name`	User name	Yes

Common Options

Option	Description
`--region=region`	Region to direct requests to.
`-U url,--url=url`	Override service URL with this value
`-I access_key_id, --access-key=access_key_id`	Override configured access key ID with this value

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Option	Description
`-S secret_key, --secret-key=secret_key`	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Certificate ID
- Certificate body
- Certificate's private key

Example

```
euare-usercreatecert
WULI2PENBESQMTYKGNARB
-----BEGIN CERTIFICATE-----
MIIDFjCCAf6gAwIBAgIHA42rnQh5wjANBgkqhkiG9w0BAQ0FADBBMQswCQYDVQQG
EwJVUzENMAsGA1UEChMEVXNlcjETMBEGA1UECxMKRXVjYWx5cHR1czEOMAwGA1UE
AxMFYWRtaW4wHhcNMTIwNjI1MTk1NDQyWhcNMTcwNjI1MTk1NDQyWjBBMQswCQYD
VQQGEwJVUzENMAsGA1UEChMEVXNlcjETMBEGA1UECxMKRXVjYWx5cHR1czEOMAwG
A1UEAxMFYWRtaW4wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCxSG3k
pC8OJSbFNoYnZUzAjqHwpYHSIdrvVjYBwOUQbuG+D5ABY7lGcrQ64TfR5IFZyByw
nkH3Ku6uKrRdRsPbMnawCkgqfh9rWImyYf5bxsQ23kSsjdFQOeujW6lFLtBR0XDk
zMeFQtQ2b0wJD2Ucu/YcNQy7/RCdGIMJVBiWX4tRGL19vwyjT+xybX2E0YdDUsFK
i1o8YAUI2J+ZzM6d4zZ6YrtDeWwpLuavUUeGxrRGUFKRk8Zb0sFr7IuWpDnQDWCc
9ESF8bEXoAZoCI7XQmEFEKTNYYjL/FSJOUAf36XVAWl6tyUhIgkPCkRI6OqNCvNL
WfDIT2AGD1kygOSLAgMBAAGjEzARMA8GA1UdEwEB/wQFMAMBAf8wDQYJKoZIhvcN
AQENBQADggEBAJtbToC9AxkjMe7QM5qLEMuodBjsgSHi8rRZhKZu4QkkNENcwPj7
ylrtdeWiJAT0hJ6UyrgDnnXzedFnjkPmfaP30gkzXJ0pgNtyo1L5u2PBBqLkNsll
jSJ0O7+MGwULMed/mlXUWYHCUKtbywo7i0Ek5UOzJng1MflS4UAHKREqvAnIybDn
D+xqDQLJeKjC59zb90Xf7aZ7Tk2v5ilv5iOIrO4aQCYN8+i59SY5g6PCFpQqm7p4
8/wm6qZ5YB79F71qWG7OSHSdRv6aYplKI1rf0ZXWhArHcw++Msg0uYcIJgkFpiBD
JrbC5t0OEt6PuH9SDyOEovabypaXrna8aQI=
-----END CERTIFICATE-----
-----BEGIN RSA PRIVATE KEY-----
MIIEogIBAAKCAQEAsUht5KQvDiUmxTaGJ2VMwI6h8KWB0iHa71Y2AcDlEG7hvg+Q
AWO5RnK0OuE30eSBWcgcsJ5B9yruriq0XUbD2zJ2sApIKn4fa1iJsmH+W8bENt5E
rI3RUDnro1upRS7QUdFw5MzHhULUNm9MCQ9lHLv2HDUMu/0QnRiDCVQYll+LURi9
fb8Mo0/scm19hNGHQ1LBSotaPGAFCNifmczOneM2emK7Q3lsKS7mr1FHhsa0RlBS
kZPGW9LBa+yLlqQ50A1gnPREhfGxF6AGaAiO10JhBRCkzWGIy/xUiTlAH9+l1QFp
erclISIJDwpESOjqjQrzS1nwyE9gBg9ZMoDkiwIDAQABAoIBADR3DeajXDWgcwfc
KfmQthUqYOx53qCUWlmINvVv45poZjA8JM70d0lM+t+N9VoNeOZcHXl7bGQ8dWRf
yP7tyVqeZZeVg2Pn7V50VlPPQlpgyYK/Zq12TuKiMYUnxEFwKEB+bh2YKNfcPjdZ
2rO3taG6UoxoertLmlYTgfwJwjkF0V3Y54ATvb0GasNq88l8qCMfHCSVC//OnxMJ
z/BctaOf0LIqwUjWYsPA1hxPr2rI4FlfZrdLTFgIXg9DZrYMNQIj/cHQjU/yiB1z
VZBbABjnGgRtN+SQKhk9ecjWVV4tXrXP1u4tJDJMKQGjcS+83ZW18jevNRVFzZIu
kYFSDjECgYEA3iJ9tspGO5GDyR0dBZyqtpRt647e9sn56+/3nU7RFuj6DpoJKSDT
Av3+UoQSifswuMSWA+CgGOGwKxngyeR4NhKspqFKDIJo6a9h5ouFbM3Dsww1Klbm
swWgYI1cPNkSDcfmAF8DiJsYcTEkVOCOmdrazp3iEvsWyCUQE94kVEkCgYEAzE90
es1aP+TMjMw0OB9EFTredMZ3yBtDHxt7Dts3Z5vrJQaK6r9bMYFpp32f3UHFiaWA
SD2kjYEKyaTnqC0EyR3/HoLmkHE/rjXDQI9ho/IXA3T0LuZbLKkMmULVlDKqGkJ6
Slcp1RpkhOAs/Tzz7/bROmv0YNZ2SeyVkzuvSjMCgYAuXGh8c+8Ak7g7izX5a989
```

```
R/FBDop+W10r3uOBE2gULf+yeHec+9rObxBbTHFKFwDuLylYGdOQHdpUxIvj1yk3
r+IUzOjVf4pB63a1VT09nhxQDCY0dfqkNnJodFhh4rQf6C6auTnVkvkg9q6sgEmC
1uh/4vfCGmGA2Cto2h4e8QKBgHAKBmMtZ5dwPefcN6qrIqfNv54kFB2tLZLKfCI6
ftiXfUyxmM6An163jBvoXRl1bwE7u+xhuXJL2IGZp9vmzCAKDhRKTmvZXsWHAArQ
VggUwyAHK7zoYAlOrvUA3KTHX9bEq9FGmU8eiQ8A7Er2+QKXxEcYWkwcb4O8dI3o
BglXAoGAFJVjzeIzb5fuCG9wNU1YpEshOGlqgaQmAoFq36T1tP2EK2Zxb9rTI9FS
csCzeUKCU9DOgQKUmwGHsrDxJFpn+BglvX5su/77dilTdh8/lwQFn0MQvligDBcv
4Ir5SjQApIMIy/R+rf5CWtR91rFn6hfxLwQ0OlXzwyH+9UYFWsQ=
-----END RSA PRIVATE KEY-----
```

euare-userdel

Deletes a user.

Syntax

```
euare-userdel -u user_name [-r]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user to delete	Yes
`-r, --recursive`	Deletes the user from associated groups and deletes the user's credentials and policies along with the user.	No
`-R, --recursive-euca`	This Eucalyptus extension behaves exactly like the `-r` option but it performs operations server-side rather than in the client.	No
`-p, --pretend`	Returns a list of users and policies that would be deleted if the `-r` or `-R` option were actually sent in with the request.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

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Output

Eucalyptus does not return any message.

Example

```
euare-userdel -u myuser
```

euare-userdelcert

Deletes a signing certificate.

Syntax

```
euare-userdelcert -u user_name [-c certificate_id]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user that the signing certificate belongs to	Yes
`-c, --certificate-id` *`certificate_id`*	ID of the signing certificate to delete	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`, --access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`, --secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-userdelcert -u myuser -c PXNPRNAHHMPLECYXCOMLE
```

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euare-userdelkey

Deletes an access key. If the user is a member of any group or has user policies, signing certificates, access keys, and a login profile, you must use the recursive option.

Syntax

```
euare-userdelkey [-u user_name] -k user_key_id [-r]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user that the access keys belongs to	No
`-k, --user-key-id`	The access key ID for the access key ID and secret access key you want to delete.	Yes
`-r, --recursive`	Deletes the user from associated groups and deletes the user's credentials and policies along with the user.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-userdelkey -u myuser -k UDHYLIGYKLURDIBAIUEMJ
```

euare-userdelloginprofile

Deletes a login profile.

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Syntax

```
euare-userdelloginprofile -u user_name
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user whose profile you want to delete	Yes

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-userdelloginprofile -u myuser
```

euare-userdelpolicy

Deletes a user policy.

Syntax

```
euare-userdelpolicy -u user_name -p policy_name
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user that the policy is associated with	Yes

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Option	Description	Required
`-p, --policy-name` *`policy_name`*	Name of the policy document to delete	Yes

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-userdelpolicy -u myuser -p mypolicy
```

euare-usergetattributes

Returns Amazon resource name (ARN) and user ID for a user.

Syntax

```
euare-usergetattributes [-u user_name]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user whose attributes you want to get. If you don't specify this parameter, it defaults to the user making the request.	No
`--show-extra`		No

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Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

When you use the `-u` option to specify a user, Eucalyptus returns the Amazon Resource Name (ARN) and user ID for that user. When you don't specify a user, Eucalyptus returns the ARN and the AWS account ID of the user making the request.

Examples

The following example returns attributes for the user making the request.

```
euare-usergetattributes
arn:aws:iam::myacct:user/admin
AJIEQXKKG5M7VKOU7LNLQ
```

The following example returns attribtes for the user, myuser.

```
euare-usergetattributes -u myuser
arn:aws:iam::myacct:user/myuser
QLNL7UOKV7M5GKKXQEIJA
```

euare-usergetinfo

Returns user information. This is not part of the AWS IAM API.

Syntax

```
euare-usergetinfo -u user_name [-k info_key]
   [-i info_value]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user whose information you want to get.	No

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Option	Description	Required
`-k, --info-key` *`info_key`*	Specifies the name of the user information to get Default: `email`	No
`-i, --info-value` *`info_value`*	Specifies the value of the user information to set. If this value is empty, the existing information is removed, and not set to anything else.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Output type identifier
- Email address

Example

```
euare-usergetinfo
email   eucalyptus@example.com
```

euare-usergetloginprofile

Returns user name for a user.

Syntax

```
euare-usergetloginprofile -u user_name
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user whose login profile you want to get.	Yes

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Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

If the specified user has a profile, Eucalyptus returns the user's username. If the user has no profile, Eucalyptus returns an error.

Example

The following example shows the response for a user who has a profile.

```
euare-usergetloginprofile -u myuser
myuser
```

The following example shows the response for a user who has no profile.

```
euare-usergetloginprofile -u myuser
Error(NoSuchEntity): Can not find login profile for myuser
```

euare-usergetpolicy

Returns information about a user's policy.

Syntax

```
euare-usergetpolicy -u user_name -p policy_name
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user that the policy is associated with	Yes
`-p, --policy-name` *`policy_name`*	Name of the policy document to get	Yes

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Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the policy content.

Example

```
euare-usergetpolicy -u myuser -p mypolicy
{"Version":"2008-10-17","Statement":[{"Effect":"Allow",
"Action":["ec2:*"], "Resource":["*"]}]}
```

euare-userlistbypath

List users by path.

Syntax

```
euare-userlistbypath [-p path]
```

Options

Option	Description	Required
`-p, --path-prefix`	The path prefix for filtering the results. For example, `/division_abc/subdivision_xyz/` returns all groups with a path that starts with `/division_abc/subdivision_xyz/`. If this parameter is empty, it defaults to a slash (/), listing all users.	No
`-m, --marker` *`marker`*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set this parameter to the value of the `marker` element in the response you just received.	No
`--max-items` *`max_items`*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

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Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns a list of the users and their paths.

Example

The following example lists all users.

```
euare-userlistbypath
arn:aws:iam::myacct:user/myuser
arn:aws:iam::myacct:user/path/myuser2
```

The following example lists all users in the `/path` path.

```
euare-userlistbypath -p /path
arn:aws:iam::myacct:user/path/myuser2
```

euare-userlistcerts

List signing certificates for a user.

Syntax

```
euare-userlistcerts -u user_name [-m marker]
     [--max-items max_items]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user	Yes
`-m, --marker` *`marker`*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set	No

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Option	Description	Required
	this parameter to the value of the `marker` element in the response you just received.	
`--max-items` *`max_items`*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns a list of active and inactive signing certificates for the user.

Example

```
euare-userlistcerts -u myuser
ER1AYGZEJ4O1BGRTYMYOH
Active
PXNPRNAHHMPLECYXCOMLE
Inactive
```

euare-userlistgroups

Lists groups that a user belongs to.

Syntax

```
euare-userlistgroups -u user_name
```

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Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user you want the group information for	Yes
`-m, --marker` *`marker`*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set this parameter to the value of the `marker` element in the response you just received.	No
`--max-items` *`max_items`*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the Amazon Resource Name (ARN) for each group the user belongs to.

Example

```
euare-userlistgroups -u myuser
arn:aws:iam::myacct:group/mygroup
```

euare-userlistkeys

Lists access keys for a user.

Syntax

```
euare-userlistkeys -u user_name
```

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Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user you want the key information for	Yes
`-m, --marker` *`marker`*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set this parameter to the value of the `marker` element in the response you just received.	No
`--max-items` *`max_items`*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns active and inactive keys for the user.

Example

```
euare-userlistkeys -u myuser
BH5GNX2GRJLRB3IKFC2X8
Active
QLNL7UOKV7M5GKKXQEIJA
Inactive
```

euare-userlistpolicies

Lists a user's policies.

Syntax

```
euare-userlistpolicies -u user_name
```

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Options

Option	Description	Required
`-u, --user-name` *`user_name`*	The name of the user to list policies for	Yes
`-p, --policy-name` *`policy_name`*	Name of the policy document to display	No
`-m, --marker` *`marker`*	Use only when paginating results, and only in a subsequent request after you've received a response where the results are truncated. Set this parameter to the value of the `marker` element in the response you just received.	No
`--max-items` *`max_items`*	Use only when paginating results to indicate the maximum number of groups you want in the response. If there is additional data beyond the maximum you specify, the `IsTruncated` response element is `true`.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns the contents of the specific policy you requested, or the names of the policies attached to the user and, optionally, the contents of each.

Example

```
euare-userlistpolicies -u myuser
mypolicy
```

euare-usermod

Updates user information.

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Syntax

```
euare-usermod -u user_name -p new_path -n
    new_user_name [-enabled true | false] [-reg-status
    registered | approved | confirmed] [-pwd-expires date]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	The name of the user to modify	Yes
`-n, --new-path`	New path for the user.	No
`--new-user-name`	New name for the user	No
`--enabled`	Enable (`true`) or disable (`false`) the user. This option is specific to Eucalyptus. Valid values: `true` | `false`	No
`--reg-status`	Status of the user's registration. This option is specific to Eucalyptus. Valid values: `registered` | `approved` | `confirmed`	No
`--pwd-expires`	Date in YYYY-MM-DDThh:mm:ssTZD format. This option is specific to Eucalyptus.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-usermod -u myuser -p /path -n myuser2
```

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euare-usermodcert

Updates a user's signing certificate.

Syntax

```
euare-usermodcert [-u user_name] -c certificate_id -s Active|Inactive
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	The name of the user that the certificate belongs to	No
`-c, --certificate-id` *`certificate_id`*	The ID of the signing certificate you want to update.	Yes
`-s, --status` *`Active`*`|`*`Inactive`*	The status you want to assign to the certificate. Enter `active` to use the certificate for API calls to Eucalyptus. Enter `inactive` to block the certificate for API calls to Eucalyptus. Valid values: `active` | `inactive`	

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-usermodcert -u myuser -c ER1AYGZEJ4O1BGRTYMYOH -s Inactive
```

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euare-usermodkey

Modifies a user's access key status.

Syntax

```
euare-usermodkey [-u user_name] -k user_key_id -s Active|Inactive
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user that the access key belongs to	No
`-k, --user-key-id` *`user_key_id`*	The access key ID for the access key ID and secret access key you want to modify.	Yes
`-s, --status` *`Active|Inactive`*	The status you want to assign to the certificate. Enter `active` to use the certificate for API calls to Eucalyptus. Enter `inactive` to block the certificate for API calls to Eucalyptus. Valid values: `active` | `inactive`	

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-usermodkey -u myuser -k BH5GNX2GRJLRB3IKFC2X8 -s Inactive
```

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euare-usermodloginprofile

Modifies a user's login profile.

Syntax

```
euare-usermodloginprofile -u user_name -p password
```

Options

Option	Description	Required
`-u, --user-name` *user_name*	The user whose profile you want to change	Yes
`-p --password`	The new password for the user	Yes

Common Options

Option	Description
`--region=`*region*	Region to direct requests to.
`-U` *url*`,--url=`*url*	Override service URL with this value
`-I` *access_key_id*`,` `--access-key=`*access_key_id*	Override configured access key ID with this value
`-S` *secret_key*`,` `--secret-key=`*secret_key*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-usermodloginprofile -u myuser -p SeekritPa$$w0rd
```

euare-userupdateinfo

Changes a user's password.

Syntax

```
euare-userupdateinfo -u user_name -k info_key [-i info_value]
```

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Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user	Yes
`-k, --info-key`	Specifies the name of the user information to update	Yes
`-i, --info-value`	Specifies the value of the user information to set. If this value is empty, the existing information is removed, and not set to anything else.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-userupdateinfo -u myuser -k foo -i bar
```

euare-useruploadpolicy

Uploads a policy for a user.

Syntax

```
euare-useruploadpolicy -u user_name -p policy_name
       [-o policy_content] [-f policy_document]
```

Options

Option	Description	Required
`-u, --user-name` *`user_name`*	Name of the user	Yes

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Option	Description	Required
`-p, --policy-name` *`policy_name`*	Name of the policy document to upload	Yes
`-o, --policy-content` *`policy_content`*	The policy document content.	No
`-f, --policy-document` *`policy_document`*	The policy document file.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`, --access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`, --secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus does not return any message.

Example

```
euare-useruploadpolicy -u myuser -p mypolicy -f mypolicy.json
```

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Eucalyptus Image Store

Commands that begin with the `eustore-` prefix give you access to the Eucalyptus image store. Eucalyptus offers some updated base images available on our servers. The `eustore-` commands give you access to these images and let you use a single command to download and install an image to your cloud .

eustore-describe-images

Lists the images available at `http://emis.eucalyptus.com`.

Syntax

```
eustore-describe-images [-v]
```

Options

Option	Description	Required
`-v, --verbose`	Display more information about images	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*`,` `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*`,` `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus returns information for each image in the Eucalyptus image store.

Examples

The following example shows some sample standard output.

```
eustore-describe-images
4150406313 centos      i386    2011.07.02     CentOS 5 1.3GB root,
Hypervisor-Specific Kernels
1643448352 centos      x86_64  2011.07.02     CentOS 5 1.3GB root,
```

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```
Hypervisor-Specific Kernels
2215913473 centos      x86_64  2011.12.28     CentOS 5 1.3GB root, Single
Kernel
3235725435 centos      x86_64  2012.1.14      CentOS 5 1.3GB root, Single
Kernel
.
.
.
```

The following example shows some output with the `-v` option.

```
eustore-describe-images -v
4150406313 centos      i386    2011.07.02     CentOS 5 1.3GB root,
Hypervisor-Specific Kernels
     20110716161844      6e69-7565   centos-based
images@lists.eucalyptus.com
1643448352 centos      x86_64  2011.07.02     CentOS 5 1.3GB root,
Hypervisor-Specific Kernels
     20110716162107      c711-86e8   centos-based
images@lists.eucalyptus.com
2215913473 centos      x86_64  2011.12.28     CentOS 5 1.3GB root, Single
Kernel
     20111228145408      a400-423c   centos-based
images@lists.eucalyptus.com
.
.
.
```

eustore-install-image

Installs an image on your cloud. If you don't have administrator credentials, you can install an image using the `–kernel` and `–ramdisk` options to refer to a kernel id and ramdisk ID already installed on the cloud. Eualyptus will ignore the kernel and ramdisk bundled with the image and refer to the previously uploaded ones.

Syntax

```
eustore-install-image -i image_name [-b bucket_name |
     -t tarball] [-s description] [-a architecture]
     [-p prefix] [-k kernel_type] [-d directory]
     [--kernel] [--ramdisk]
```

Options

Option	Description	Required
`-i` *`image_name`*, `--image_name=`*`image_name`*	Name of the image to install	Yes
`-b` *`bucket`*, `--bucket=`*`bucket`*	Specify the bucket to store the images in. You must specify a bucket if you don't specify a local image tarball.	Conditional
`-t` *`tarball`*, `--tarball=`*`tarball`*	Name local image tarball to install from. You must specify a local tarball if you don't specify a bucket.	Conditional
`-s` *`description`*, `--description=`*`description`*	Description of image, mostly used with -t option	No

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Option	Description	Required
`-a` *`architecture`*, `--architecture=`*`architecture`*	Use with the `-t` option. Valid values: `i386` | `x86_64`	No
`-p` *`prefix`*, `--prefix=`*`prefix`*	Prefix to use when naming the image, mostly used with -t option	No
`-k` *`kernel_type`*, `--kernel_type=`*`kernel_type`*	Kernel type you're using. This option is required if you use the `kernel` option. Valid values: `xen` | `kvm`	Conditional
`-d` *`directory`*, `--dir=`*`directory`*	Specify a temporary directory for large files	No
`--kernel=`*`kernel`*	Override bundled kernel with one already installed	No
`--ramdisk=`*`ramdisk`*	Override bundled ramdisk with one already installed	No
`-y, --yes`	Answers yes to questions during installation. Eucalyptus has a check-in tool that helps prevent duplicate image/kernel/ramdisk installs. If there is one of the components already installed, Eucalyputus prompts the user to use the existing one (yes), or install a new one.	No

Common Options

Option	Description
`--region=`*`region`*	Region to direct requests to.
`-U` *`url`*`,--url=`*`url`*	Override service URL with this value
`-I` *`access_key_id`*, `--access-key=`*`access_key_id`*	Override configured access key ID with this value
`-S` *`secret_key`*, `--secret-key=`*`secret_key`*	Override configured secret key with this value
`-D, --debug`	Prints what the command sends to the server and what it receives from the server. Use when you're trying to debug Euca2ools.
`--debugger`	Enable interactive debugger on error
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

Eucalyptus generates the status of the install process.

Example

The following example shows an installation using an image from a bucket.

```
eustore-install-image -i 3235725435 -b myimages
Downloading Image :  CentOS 5 1.3GB root, Single Kernel
0-----1-----2-----3-----4-----5-----6-----7-----8-----9-----10
##################################################################
```

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```
Checking image bundle
Unbundling image
tar root = euca-centos-2012.1.14-x86_64
path = euca-centos-2012.1.14-x86_64
path = euca-centos-2012.1.14-x86_64/initrd.img-2.6.32-5-amd64
Bundling/uploading ramdisk
Checking image
...
```

The following example shows an installation using an image from a local tarball.

```
eustore-install-image -t /tmp/euca-centos-5.8-2012.05.14-x86_64.tgz -b images
 -s "centos 5.8 image" -k kvm -a x86_64
```

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