EUCALYPTUS

Eucalyptus 3.2.2 Command Line Interface Reference Guide

Contents

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 Commands*

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

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.

EC2-Compatible Commands

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

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
`--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
--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
`-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
-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.

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

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

Option	Description	Required
`-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
`--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.

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

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

Example

```
euca-bundle-instance -b mah-bukkit -p windows -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

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
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.
--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-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

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

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
S6K3rD5B1EzSuYWiTUydZHqcZ5fdE8DoxK5G2l2ndjIECq+GRg34p0GA1njGf6V1
bcGAVTx2QW0x+mjgfj8yqjtQdDZF4Pd0/UnlWxzBFKQRZOGuZfDITb+HmjoEvni0
QbxG4wKBgGOmAfkcFDyXBAx2J+oGoCe5EYT5KhceJK4U+RD+4nA9UeZAm29He9cC
G9xp8vetS78kFGMgbltbmH7onznMM7/76x0a1Y04YQgCBGV9QsP1ViB0hCClPjHu
rt0p+OLncFC1gUInZVc3yEEl0yYd9qDnaFCExyy5Bntc9Km+whQZ
-----END RSA PRIVATE KEY-----
```

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
-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.

Option	Description
`--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.
`-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`.

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 ("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]
```

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 ]
```

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
```

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.

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 ("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

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

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

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.
`-a,--access-key` `access_key_id`	User's access key ID
`-s,--secret-key` `secret_key`	User's secret key

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 ("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
`-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`.

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

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  [ ip ]
```

Options

Option	Description	Required
`ip`	One or more elastic IP addresses.	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.

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 ("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.
`-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.
`-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-group

Shows information about one or more security groups.

Syntax

```
euca-describe-group [ group_name ]
```

Options

Option	Description	Required
group_name	Name of a security group, if you want information about one particular group	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")
- 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-group
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.

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

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`.

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

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

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

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

- 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

- Time stamp when volume creation initiated

Example

```
euca-describe-volumes
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

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

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

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

- 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.

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/lw6Pnzd7mkczNeBXde16T4SHW71KKCTYWrwE9v8VXCefvW8P5HTScNVNs
Uv4zEXpAkJ/jxToITVvUEyazGWnGOvRk8t+nVgLaCJUksf5sxz0c0oiVUK5hiFHqpby1li9wXLGY7TRc
XGdyFGdY2URLV5luT9SS9yF2R9yIGRiqO61ptdmPF8PQOunpKKGxC2SqKnhsoEtrLiGXDAMMS/JCvCK8
ZuCnjMSph1sPYoNlUJT3NGwXvoNJEzedrRNLy8mdFBphVxsimWSv5XDURCkvfJa1JwgFvPrvAoAeN8MP
tmV9Gjz8I6CWznomN6Wmgw==
```

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

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

Example

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

euca-register

Registers a manifest for use with the cloud. Note that the registered image by default is set to private. To make publically available, use the `euca-modify-image-attribute` and set the `--add` value to `all`.

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.	Yes
	Constraints: 3-128 alphanumeric characters, parenthesis (()), commas (,), slashes (/), dashes (-), or underscores(_)	
-d,--description *description*	Description of the image	No
	Constraints: Up to 255 characters.	
-a,--architecture *architecture*	The architecture of the image	No
	Valid Values: i386|x86_64	
--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

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
```

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	

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

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

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

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

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
```

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.

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 ]
```

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.

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	No
	Valid values: US | EU | us-west-1 | ap-southeast-1 | ap-northeast-1	

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.

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.

Example

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

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

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

Output

Eucalyptus does not return any message.

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

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

Output

Eucalyptus does not return any message.

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.

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.

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

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

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

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
--delegate *account*	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
-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.

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.

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 upload	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.

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

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
--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.
-h,--help	Display the manual page for the command.

Option	Description
--version	Display the version of this tool

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

Option	Description
--delegate *account*	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
-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-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.

Option	Description
`--debugger`	Enable interactive debugger on error
`--delegate` *account*	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
`-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
- 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.

Option	Description
`-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
`--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. o N
`-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-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

Option	Description
`-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
`--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.
`-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
```

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

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
--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.
-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.

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
`--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.
`-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
```

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

Option	Description	Required
`-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
`--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
`-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).

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
--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.
-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.

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
--delegate *account*	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
-h,--help	Display the manual page for the command.
--version	Display the version of this tool

Output

Eucalyptus does not return any message.

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
--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.
-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-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
--delegate account	This Eucalyptus extension is for use by the system administrator to act as the oN account administrator of the specified account without changing to account admininstrator's role.
-h,--help	Display the manual page for the command.
--version	Display the version of this tool

Output

Eucalyptus does not return any message.

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
--delegate account	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
-h,--help	Display the manual page for the command.

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

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

Option	Description
`--delegate account`	This Eucalyptus extension is for use by the system administrator to act as the oN account administrator of the specified account without changing to account admininstrator's role.
`-h,--help`	Display the manual page for the command.
`--version`	Display the version of this tool

Output

- Access key ID
- 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 Administrator Console.

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

Option	Description
-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
--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.
-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-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
`--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.
`-h,--help`	Display the manual page for the command.
`--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

Option	Description	Required
`-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
`-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
`--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.
`-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
-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
--delegate *account*	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
-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
ilo8YAUI2J+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
AWO5RnK0OuE30eSBWcgcsJ5B9yruriq0XUbD2zJ2sApIKn4faliJsmH+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
`--delegate `*`account`*	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
`-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-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
`--delegate account`	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
`-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
```

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
--delegate *account*	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
-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.

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

Option	Description
`-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
`--delegate account`	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
`-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
`-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

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
`--delegate account`	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
`-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

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

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
--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.
-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
-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
`--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.
`-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

Common Options

Option	Description
`--region=region`	Region to direct requests to.

Option	Description
-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
--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.
-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

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
--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.
-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

Option	Description	Required
--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
--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
-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 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
`--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.
`-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
```

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
`--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
`-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
```

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
--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.
-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
```

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
--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. o N
-h,--help	Display the manual page for the command.

Option	Description
--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.

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

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
`--delegate account`	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
`-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
```

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.

Option	Description
`-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
`--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.
`-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
```

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
`--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.
`-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
```

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.

Option	Description
-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
--delegate *account*	This Eucalyptus extension is for use by the system administrator to act as the o N account administrator of the specified account without changing to account admininstrator's role.
-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]
```

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

Option	Description
`-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
`--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. oN
`-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
`-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
--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.
-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
```

Eucalyptus Administration Commands

Eucalyptus offers commands for common administration tasks and inquiries. This section provides a reference for these commands.

euca_conf

Short reference description.

Syntax

```
euca_conf
```

Options

Option	Description	Required
--initialize	Begin the one-time initialization of the CLC	No
--heartbeat	Return heartbeat data for the specified host	No
--synckey		No
--no-rsync	Do not use rsync when registering	No
--no-scp	Do not use scp when registering	No
--skip-scp-hostcheck	Skip scp interactive host keycheck	No
--get-credentials	Download credentials to the specified zip file. By default, the admin credentials will be downloaded but this can be adjusted with the --cred-user option. Each time this is called, new X.509 certificates will be created for the specified user.	No
--cred-account	Set get-credentials for the specified account	No
--cred-user	Set get-credentials for the specified user	No
--register-nodes	Add specified NCs to Eucalyptus	No
--deregister-nodes	Remove specified NC from Eucalyptus	No
--register-arbitrator	Add arbitrator service to Eucalyptus	No
--deregister-arbitrator	Remove arbitrator service from Eucalyptus	No
--register-cloud	Add new Cloud Controller to Eucalyptus	No
--register-cluster	Add a Cluster Controller to Eucalyptus	No
--deregister-cluster	Remove a Cluster Controller from Eucalyptus	No
--register-walrus	Add Walrus to Eucalyptus	No
--deregister-walrus	Remove Walrus from Eucalyptus	No
--register-sc	Add Storage Controller to Eucalyptus	No
--deregister-sc	Remove Storage Controller from Eucalyptus	No
--register-vmwarebroker	Add VMware Broker to Eucalyptus	No

Option	Description	Required
`-deregister-vmwarebroker`	Remove VMware Broker from Eucalyptus	No
`--list-walruses`	Return all registered Walruses	No
`--list-clouds`	Return all registered Cloud Controllers	No
`--list-clusters`	List all registered Cluster Controllers	No
`--list-arbitrators`	Return all registered arbitrator services	No
`--list-vmwarebrokers`	Return all registered VMware Brokers	No
`--list-nodes`	Return all registered Node Controllers	No
`--list-components`	return all registered Eucalyptus components	No
`--list-services`	Return all registered services	No
`-list-scs`	Return all registered Storage Controllers	No
`--no-sync`	Used with `--register-*` to skip syncing keys	No
`-d`	Point Eucalyptus to the specified directory	No
`--cc-port`	Set the Cluster Controller to the specified port	No
`--sc-port`	Set the Storage Controller to the specified port	No
`--walrus-port`	Set Walrus to the specified port	No
`--nc-port`	Set the Node Controller to the specified port	No
`--instances`	Set the instance path	No
`--hypervisor`	Set which hypervisor to use. Valid values: `xen` | `kvm`	No
`--user`	Set the user to use for EUCA_USER	No
`--dhcpd`	Set the DHCP daemon binary to the specified path	No
`--dhcp_user`	Set the specified user name to run dhcpd as	No
`--bridge`	Set the bridge as the specified name	No
`--name`	Returns the value for the specified name	No
`--import-conf`	Import variables from a specified `eucalyptus.conf` file	No
`--upgrade-conf`	Upgrade `eucalyptus.conf` from the specified older installation file	No
`--setup`	Perform initial setup	No
`--enable`	Enable specified service at next start Valid values: `cloud` | `walrus` | `sc` | `vmwarebroker`	No
`--disable`	Disable specified service at next start Valid values: `cloud` | `walrus` | `sc` | `vmwarebroker`	No
`--check`	Pre-flight checks Valid values: `common` | `vmware`	No
`-P, --partition`	Name of partition. Used with `--register-*` and `--deregister-*`	No

Option	Description	Required
`-H, --host`	Name or IP address of host. Used with `--register-*`	No
`-C, --component`	Name of the component. Used with `--register-*` and `--deregister-*`	No
`--help-register`	Display help for register deregister	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

euca-describe-properties

Lists properties.

Syntax

```
euca-describe-properties
```

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

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

euca-modify-property

Modifies a Eucalyptus cloud property.

Syntax

```
euca-modify-property
```

Options

Option	Description	Required
`-p, --property` *`name=value`*	Set the named property to the specified value. This cannot be used if the `-f` option is specified.	Conditional
`-f` `name=`*`filename`*	Modifies properties by reading a list of key-value pairs from the named file. You must use the "*name=filename*" format to specify this option. This cannot be used if the `-p` option is specified.	Conditional
`-r` *name*	Resets the named property to the default value.	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.

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

euca-describe-services

Returns services.

Syntax

```
euca-describe-services
```

Options

Option	Description	Required
`-A, --all`	Include all public service information. Reported state information is determined by the view available to the target host, which should be treated as advisory (See documentation for guidance on interpreting this information).	No
`--system-internal`	Include internal services information **Note:** This information is only for the target host.	No
`--user-services`	Include services that are user-facing and co-located with some other top-level service **Note:** This information is only for the target host.	No
`-T, --filter-type`	Filter services by specified component type	No
`-H, --filter-host`	Filter services by specified host	No
`-F, --filter-state`	Filter services by state	No
`-P, --filter-partition`	Filter services by specified partition	No
`-E, --events`	Return service event details	No
`-events-verbose`	Return verbose service event details	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.

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

Eucalyptus Image Store Commands

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
0400376721 fedora      x86_64  starter        kvm                 Fedora 16
x86_64 - SELinux / iptables disabled. Root disk of 4.5G. Root user enabled.
2425352071 fedora      x86_64  starter        kvm                 Fedora 17
```

```
x86_64 - SELinux / iptables disabled. Root disk of 4.5G. Root user enabled.
1107385945 centos      x86_64  starter          xen, kvm, vmware  CentOS 5 1.3GB
 root, Hypervisor-Specific Kernels
3868652036 centos      x86_64  starter          kvm                    CentOS 6.3
x86_64 - SELinux / iptables disabled. Root disk of 4.5G. Root user enabled.
1347115203 opensuse    x86_64  starter          kvm                  OpenSUSE 12.2
 x86_64 - KVM image. SUSE Firewall off. Root disk of 2.5G. Root user enabled.
 Working with kexec kernel and ramdisk. OpenSUSE minimal base package set..
 .
 .
 .
```

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

```
eustore-describe-images -v
0400376721 fedora      x86_64  starter          kvm                     Fedora 16
x86_64 - SELinux / iptables disabled. Root disk of 4.5G. Root user enabled.
     20121107181713      d13e-1e35   fedora-based
olivier.renault@eucalyptus.com
2425352071 fedora      x86_64  starter          kvm                     Fedora 17
x86_64 - SELinux / iptables disabled. Root disk of 4.5G. Root user enabled.
     20121107181713      6369-6e28   fedora-based
olivier.renault@eucalyptus.com
1107385945 centos      x86_64  starter          xen, kvm, vmware  CentOS 5 1.3GB
 root, Hypervisor-Specific Kernels
     20120517102326      84ae-59db   centos-based
images@lists.eucalyptus.com
3868652036 centos      x86_64  starter          kvm                    CentOS 6.3
x86_64 - SELinux / iptables disabled. Root disk of 4.5G. Root user enabled.
     20121107181713      48df-52d4   centos-based
olivier.renault@eucalyptus.com
1347115203 opensuse    x86_64  starter          kvm                  OpenSUSE 12.2
 x86_64 - KVM image. SUSE Firewall off. Root disk of 2.5G. Root user enabled.
 Working with kexec kernel and ramdisk. OpenSUSE minimal base package set..
     20121120130646      a981-db13   opensuse-based
lester.wade@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
`-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 6 1.3GB root, Single Kernel
0-----1-----2-----3-----4-----5-----6-----7-----8-----9-----10
##############################################################

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
```

Eucalyptus Report Commands

Eucalyptus allows you to generate reports for your cloud. These reports show data useful for understanding how your resources are being allocated, who is using the resources, and how much time resources are running. Eucalyptus allows you to get reports from either the Cloud Controller (CLC) or the data warehouse. Reports from the data warehouse are from data exported from the CLC.

Commands that begin the `eureport-` are for the CLC. For more information, see *Reports Commands: CLC*. Commands that begin with `eucadw-` are for the data warehouse. For more information, see *Report Commands: Data Warehouse*.

Reports Commands: CLC

This section contains reference information for reporting commands that use the Cloud Controller (CLC).

Normally, you will just use *eureport-generate-report* command. If you want to run reports agains the data warehouse, you need to export data from the CLC using the *eureport-export-data* command.

> ⚠ **Caution:** Be careful if you use the `eureport-delete-data` command. Once you delete data from the CLC, you have to run reports using the data warehouse. You can't use the CLC for reporting.

eureport-generate-report

Generates a report from the CLC.

Syntax

```
eureport-generate-report [filename] [-t report_type]
      [-f report_format] [-s start_date] [-e end_date]
      [--size-unit size_unit] [--time-unit time_unit]
      [--size-time-size-unit size_time_size_unit]
      [--size-time-time-unit size_time_time_unit] [-d] [-F]
```

Options

Option	Description	Required
filename	Path to the resulting reporting reporting file.	No
`-t, --type` *report_type*	Type of report to generate. Valid values: `elastic-ip`|`instance`|`s3`|`snapshot`|`volume` Default: `instance`	No
`-f, --format` *report_format*	Format of report generate. Valid values: `csv`|`html` Default: `html`	No
`-s, --start-date` *start_date*	Inclusive start date for the exported data in YYYY-MM-DD format. For example, `2012-08-19`.	Yes
`-e, --end-date` *end_date*	Exclusive end date for the exported data in YYYY-MM-DD format. For example, `2012-08-26`.	Yes

Option	Description	Required
`--size-unit` *size_unit*	The level of granularity for reporting metrics by size alone. Valid values: `b`|`kb`|`mb`|`gb` Default: `gb`	No
`--time-unit` *time_unit*	The level of granularity for reporting interval. Valid values: `seconds`|`minutes`|`hours`|`days` Default: `days`	No
`--size-time-size-unit` *size_time_size_unit*	The level of granularity for reporting size metrics for the time interval. Valid values: `b`|`kb`|`mb`|`gb` Default: `gb`	No
`--size-time-time-unit` *size_time_time_unit*	The level of granularity for reporting size metrics for the time interval. Valid values: `seconds`|`minutes`|`hours`|`days` Default: `days`	No
`-d, --dependencies`	Include event dependencies from outside the requested time period.	No
`-F, --force`	Overwrite output file if it exists.	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 a message stating that report was generated to the file you specified.

Example

```
eureport-generate-report -s 2012-11-05 -e 2012-11-07 --size-unit=b
--size-time-size-unit=b -t instance Report2.html
Exported data to Report2.html
```

eureport-delete-data

Deletes report data generated before a specified date.

Syntax

```
eureport-delete-data -s start_date -e end_date
   [-d] [filename] [-F]
```

Options

Option	Description	Required
-s, --start-date *start_date*	Inclusive start date for the deleted report data in YYYY-MM-DD format. For example, `2012-08-19`.	Yes
-e, --end-date *end_date*	Exclusive end date for the deleted report data. For example, `2012-08-26`.	Yes
-d, --dependencies	Include event dependencies from outside the requested time period.	No
filename	Path to the reporting data export file	No
-F, --force	Overwrite output file if it exists.	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 a message detailing the number of data entries it deleted.

Example

```
eureport-delete-data -e 2012-11-06
Deleted 153415 reporting data entries.
```

eureport-export-data

Exports report data to a file. This file can be imported into the data warehouse.

Syntax

```
eureport-export-data [filename] -s start_date -e end_date
   [-d] [-F]
```

Options

Option	Description	Required
filename	Path to the resulting reporting data export file	No
-s, --start-date *start_date*	Inclusive start date for the exported data in YYYY-MM-DD format. For example, `2012-08-19`.	Yes
-e, --end-date *end_date*	Exclusive end date for the exported data in YYYY-MM-DD format. For example, `2012-08-26`.	Yes
-d, --dependencies	Include event dependencies from outside the requested time period.	No
-F, --force	Overwrite output file if it exists.	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 a message stating that the data was exported to the file you specified.

Example

```
eureport-export-data -s 2012-11-05 -e 2012-11-07 -F iReport.dat
Exported data to iReport.dat
```

Report Commands: Data Warehouse

This section contains the reference for reporting commands that use the data warehouse.

The workflow for reporting against the data is the data warehouse is as follows:

1. Export data from the Cloud Controller (CLC) using the *eureport-export-data* command.
2. Import the data into the data warehouse using the *eucadw-import-data* command.
3. Run a report using the *eucadw-generate-report* command.

eucadw-status

Checks for a connection to the data warehouse and for available data stored in the data warehouse.

Syntax

```
eucadw-status -p password
```

Options

Option	Description	Required
-p, *password*	Administrator password you configured in the data warehouse installation.	Yes

Common Options

None.

Output

Eucalyptus returns the connection status.

Examples

The following example shows a successful connection.

```
eucadw-status -p mypassword
Connected to database: localhost:8777/reporting as eucalyptus
Data present from 2012-05-27 22:25:01 to 2012-09-24 22:58:01
```

The following example shows an unsuccessful connection.

```
eucadw-status -p mypassword
Database access failed with the following details.
SQLState  : 3D000
Error Code: 0
FATAL: database "blah" does not exist
```

eucadw-import-data

Imports data into the data warehouse. This data is in a specified file that has first been generated from the `eureport-export-data` command.

Syntax

```
eucadw-import-data -e filename -p password[-r]
```

Options

Option	Description	Required
-e, --export export_filename	Name of the export file you want to import into the data warehouse.	Yes
-p, password	Administrator password you configured in the data warehouse installation.	Yes
-r, --replace	Use this option if you want to replace an existing file that has the same name as the file you are importing.	No

Common Options

None.

Output

Eucalyptus returns a message detailing the number of entries imported and the timefrome of those entries.

Example

```
eucadw-import-data -e iReport.dat -p mypassword
Imported 45 entries from 2012-11-07 23:08:17 to 2012-11-07 23:37:59
```

eucadw-generate-report

Generates a report from the data warehouse.

Syntax

```
eucadw-generate-report -p password[filename]
      [-t report_type] [-f report_format] [-s start_date]
      [-e end_date] [--size-unit size_unit]
      [--time-unit time_unit]
      [--size-time-size-unit size_time_size_unit]
      [--size-time-time-unit size_time_time_unit] [-d] [-F]
```

Options

Option	Description	Required
-p, password	Administrator password you configured in the data warehouse installation.	Yes
filename	Name of the file to output report data to. If you do not enter a filename, Eucalyptus generates report data to the console.	No

Option	Description	Required
`-t, --type` *report_type*	Type of report to generate. Valid values: `elastic-ip|instance|s3|snapshot|volume` Default: `instance`	No
`-f, --format` *report_format*	Format of report generate. Valid values: `csv|html` Default: `html`	No
`-s, --start_date` *start_date*	Inclusive start date for the exported data in YYYY-MM-DD format. For example, `2012-08-19`. Default: `html`	No
`-e, --end-date` *end_date*	Exclusive end date for the exported data in YYYY-MM-DD format. For example, `2012-08-26`.	Yes
`--size-unit` *size_unit*	The level of granularity for reporting metrics by size alone. Valid values: `b|kb|mb|gb` Default: `gb`	No
`--time-unit` *time_unit*	The level of granularity for reporting interval. Valid values: `seconds|minutes|hours|days` Default: `days`	No
`--size-time-size-unit` *size_time_size_unit*	The level of granularity for reporting size metrics for the time interval. Valid values: `b|kb|mb|gb` Default: `gb`	No
`--size-time-time-unit` *size_time_time_unit*	The level of granularity for reporting size metrics for the time interval. Valid values: `seconds|minutes|hours|days` Default: `DAYS`	No
`-d, --dependencies`	Include event dependencies from outside the requested time period.	No
`-F, --force`	Overwrite output file if it exists.	No

Common Options

None.

Output

Eucalyptus returns a message stating that report was generated to the file you specified.

Example

```
eucadw-generate-report -s 2012-11-05 -e 2012-11-07 --size-unit=b
      --size-time-size-unit=b -t instance Report2.html -p mypassword
Exported data to Report2.html
```

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