EC2 API tools

Install

```
$ sudo apt-get install ec2-api-tools ec2-ami-tools
$ brew install ec2-api-tools ec2-ami-tools
```

Pem files

```
$ brew info ec2-api-tools
```

- Before you can use these tools you must export some variables to your $SHELL and download your X.509 certificate and private key from Amazon Web Services.

- Your certificate and private key are available at aws-portal.amazon.com.

- Download two `.pem` files, one starting with `pk-`, and one starting with `cert-`. You need to put both into a folder in your home directory, `~/.ec2`.

Key pair

```
# To use public images (AMI's), you need an SSH keypair from EC2.
  ec2-add-keypair my-keypair > ~/.ec2/my-keypair.pem
  chmod 600 ec2-keypair.pem
```

Start an instance

```
# Start an instance using a given AMI image:
# (Use the Ubuntu locator, or ec2-describe-images)
  ec2-run-instances ami-xxxxxx -k ec2-keypair

# Open up ports (in the 'default' security group):
  ec2-authorize default -p 22
  ec2-authorize default -p 80

# Connect
  ssh -i ~/.ec2/my-keypair.pem root@ec2-xxx.amazonaws.com
```

Management

```
# Show running instances
  ec2-describe-instances

# Kill an instance
  ec2-terminate-instances i-yourinstance
```

Misc

```
# Create a security group
  ec2-add-group group_name -d "Description"

# Show images (AMI's) owned by amazon, or me
  ec2-describe-images -o self -o amazon
```

Ubuntu images

- Ubuntu EC2 AMI locator

Change certificates

```
EC2_CERT_PATH="$HOME/.ec2"
export EC2_PRIVATE_KEY="$(/bin/ls $EC2_CERT_PATH/pk-*.pem | /usr/bin/head -1)"
export EC2_CERT="$(/bin/ls $EC2_CERT_PATH/cert-*.pem | /usr/bin/head -1)"
```