Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster.  
  
Amazon EC2 provides the following features:  
  
Virtual computing environments, known as instances  
An instance is a virtual server in the AWS Cloud.  
  
Various configurations of CPU, memory, storage, and networking capacity for your instances, known as instance types  
  
Persistent storage volumes for your data using Amazon Elastic Block Store (Amazon EBS), known as Amazon EBS volumes  
  
Static IPv4 addresses for dynamic cloud computing, known as Elastic IP addresses  
  
Virtual networks you can create that are logically isolated from the rest of the AWS Cloud, and that you can optionally connect to your own network, known as virtual private clouds (VPCs)  
  
Create a key pair  
AWS uses public-key cryptography to secure the login information for your instance. A Linux instance has no password; you use a key pair to log in to your instance securely. You specify the name of the key p

Q. How to get the instance id from within an ec2 instance?

Sol:

EC2 instance has no public DNS

I had the same problem an solved it. Have a look at the step-by-step instructions:

Go to console.aws.amazon.com

Go To Services -> VPC

Open Your VPCs

select your VPC connected to your EC2 and

select Actions => Edit DNS Hostnames ---> Change DNS hostnames: to YES

Q. EC2 Instance Cloning

Sol:

The easier way is through the web management console:

go to the instance

select the instance and click on instance action

create image

Once you have an image you can launch another cloned instance, data and all.

Q .How to safely upgrade an Amazon EC2 instance from t1.micro to large?

Sol.

Follow these steps:

Select instance>Actions>Instance Settings>Change instance type

How do I install Python 3 on an AWS EC2 instance?

sudo yum list | grep python3

sudo yum install python34 python34-pip

https://stackoverflow.com/questions/3260739/add-keypair-to-existing-ec2-instance