EC2 Beginners Workshop

SCALE 8x Try It Lab, Feb 2010

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Presentation slides available at
ec2scale.notlong.com

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1. Sign up for an Amazon AWS/EC2 account:

___ a. In your web browser, open the Amazon EC2 home page:

http://aws.amazon.com/ec2/

___ b. Click **[Sign up for Amazon EC2]**.

___ c. If you already have an Amazon.com account (e.g., shopping) start by signing in with your existing email address and password. If you do not have an account yet, check "I am a new user" and complete the initial account registration process.

___ d. Follow the entire signup process until you get the message "Thank you for signing up for Amazon EC2". Be sure to enter a valid phone number and credit card. (You do not need to create a new X.509 Certificate even if it instructs you to.)

___ e. Make a note of the email address and password you used to sign up for Amazon EC2 and bring these to the Amazon EC2 Try It Lab at SCALE.

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2. Sign in to the AWS Console:

___ a. In your web browser, open the Amazon EC2 home page:

http://aws.amazon.com/ec2/

___ b Click **[Sign in to the AWS Management Console]**.

___ c. Sign in with your Amazon.com email address and password.

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3. Create ssh key pair:

___ a. Click **[Key Pairs]** in the left menu.

___ b. Click **[Create Key Pair].**

___ c. Enter a key pair name of "**`ec2`**" and click **[Create]**

___ d. **Save** the resulting "ec2.pem" download file in a secure location.

___ e. Click **[Close]** on the "created" notification.

___ f. In an Applications/Accessories/Terminal shell enter the command:

```
chmod 600 ec2.pem
```

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4. Allow ssh, http, https in "default" security group (firewall):

___ a. Click **[Security Groups]** in left menu

___ b. Select the **[default]** security group and expand the bottom panel

___ c. Select **[SSH]** in the "Connection Method" pulldown and click **[Save]**

___ d. Select **[HTTP]** in the "Connection Method" pulldown and click **[Save]**

___ e. Select **[HTTPS**] in the "Connection Method" pulldown and click **[Save]**

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5. Launch an EC2 instance:

___ a. Click **[Instances]** in the left menu.

___ b. Click the **[Launch Instance]** button on the AWS console.

___ c. Click the **[Community AMIs]** tab on the Request Instances Wizard.

___ d. In the search box type "**`scale8x`**" (all one word).

___ e. Click the **[Select]** select button to the right of the Alestic image.

___ f. Click **[Continue]** for 1 m1.small instance in any availability zone.

___ g. Click **[Continue]** for default kernel and no user-data.

___ h. Click **[Continue]** to use the “ec2” key pair we created earlier.

___ i. Click **[Continue]** to use the "default" security group.

___ j. Click **[Launch]** to start running a new Ubuntu EC2 instance.

___ k. Click **[View your instances on the Instances page]**

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6. Connect to the EC2 instance with ssh:

___ a. Click **[Instances]** in the left menu.

___ b. Wait for the instance to move to the "running" state.

___ c. Right click on the instance and select **[Connect]**.

___ d. Copy the provided ssh command line into a new terminal shell,changing "root@" to "**`ubuntu@`**"

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7. Connect to the EC2 instance with a browser:

___ a. Find the DNS name, either in the ssh session motd or by clicking on the instance in the AWS console and looking for "DNS Name"

___ b. Open a new tab (Ctrl-T)

___ c. Enter the DNS name in the Location field

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8. Terminate the EC2 instance and delete the private ssh key:

___ a. Click **[Instances]** in the left menu.

___ b. Right click on the instance and select **[Terminate]**.

___ c. Click **[Sign Out]** at the top right of the AWS Console.

___ d. In a terminal shell remove the downloaded ssh private key file:

```
rm ec2.pem
```
