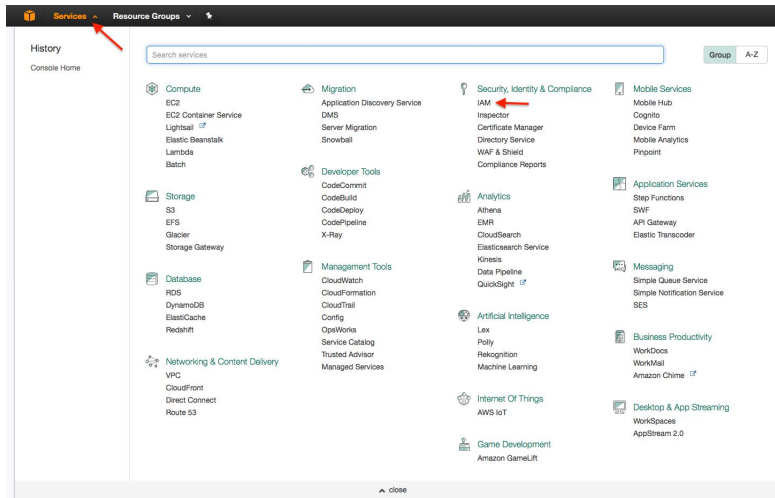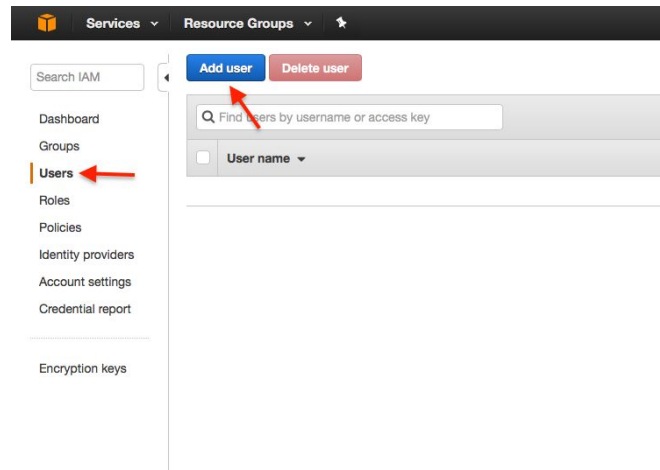# Creating Users/Groups/Policies

1.    Sign into AWS with root account (Assuming no other admin users have been created)

2.    Click the Services tab and then click the IAM link



3.    Click the Users link in the left hand navigation links, and then click Add User

3.1.    Enter in User details, and then click Next



3.1.1.    Access type may vary depending on the type of user you're creating. In

this case, this user will have programmatic access and AWS Management

Console access.

3.2.    Click Create group (Assuming this is a fresh AWS account)

3.2.1.    Enter a name for the group, assign relevant policies, and then click Create

Group



3.2.1.1.    In this instance, an AdminFullAccess group was created. This

group is primarily for the account owner to conduct admin duties

without using the root account.

3.3.    Click  Next:Review, then click Create User on the following screen.
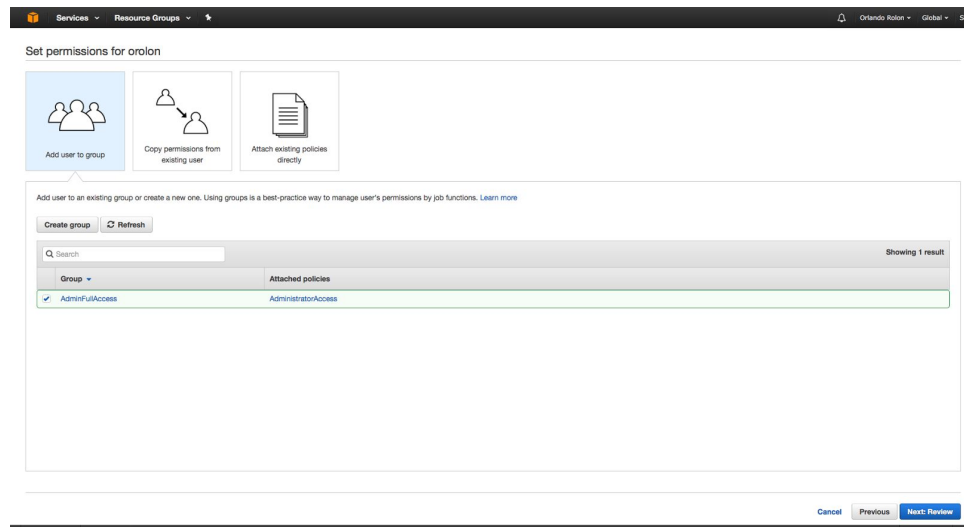


3.4.    Within the success prompt, a url is provided which will be the URL that your

created user will be able to sign into the AWS account (if AWS management

console access was given).
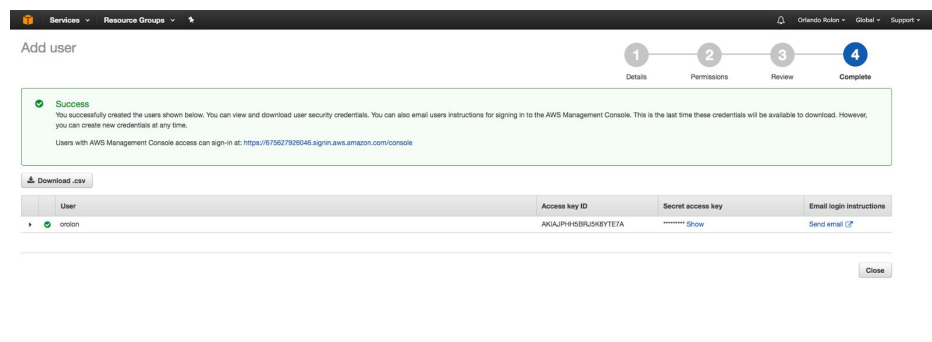


3.4.1.    Within this screen, it is recommended you send an initial email using the

link. Also download the .csv, which will contain the user's credentials and

securely forward them their credentials.

# Creating Elastic Beanstalk Developer Policy

1. Within IAM services section, click Policies and then click Create Policy
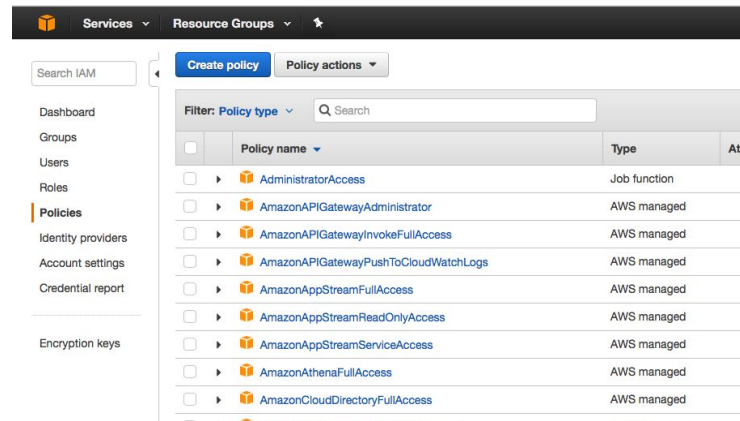


2. Click the select button for Create Your Own Policy
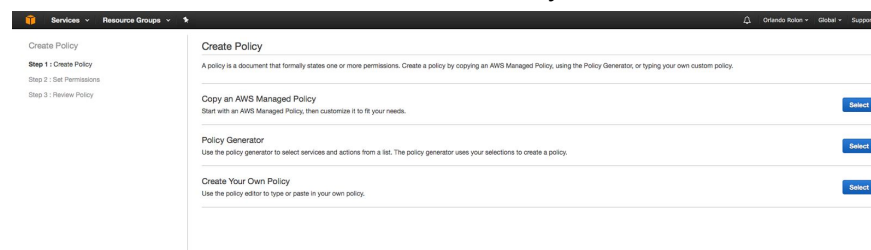


2.1. Fill out the Review Policy Form, Click Validate Policy, and then click Create Policy
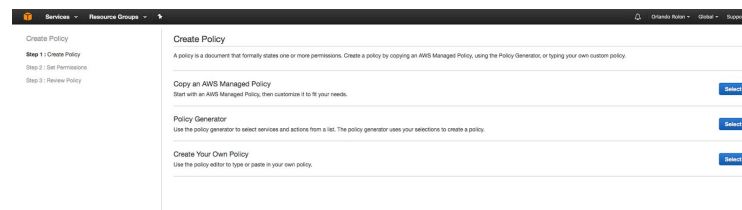


2.1.1.1. Amazon's Example Policies Based on Resource Permissions guide was used in creating policies that pertain to creating a User Group for Developers which have permissions to develop, test, and deploy a specific Elastic Beanstalk application instance.

Please see http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/AWSHowTo.iam.example.resource.html for reference.

# EB Initialization/Deployment

1. Install the Elastic Beanstalk Command Line Interface (EB CLI)
   1.1. http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/eb-cli3-install.html
2. Navigate to the root folder of the application (must be a git repo)
3. Configure EB CLI by typing eb init
   3.1. http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/eb-cli3-configuration.html

```
OLY ~ $ cd dev/hhp/
OLY (dev) hhp $ eb init

Select a default region
1) us-east-1 : US East (N. Virginia)
2) us-west-1 : US West (N. California)
3) us-west-2 : US West (Oregon)
4) eu-west-1 : EU (Ireland)
5) eu-central-1 : EU (Frankfurt)
6) ap-south-1 : Asia Pacific (Mumbai)
7) ap-southeast-1 : Asia Pacific (Singapore)
8) ap-southeast-2 : Asia Pacific (Sydney)
9) ap-northeast-1 : Asia Pacific (Tokyo)
10) ap-northeast-2 : Asia Pacific (Seoul)
11) sa-east-1 : South America (Sao Paulo)
12) cn-north-1 : China (Beijing)
13) us-east-2 : US East (Ohio)
14) ca-central-1 : Canada (Central)
15) eu-west-2 : EU (London)
(default is 3): 1
You have not yet set up your credentials or your credentials are incorrect
You must provide your credentials.
(aws-access-id): AKIAJFVDUM5GBLDCTG2A
(aws-secret-key): dzXPXOwpp475tVHUcdAeHYWjKyiK6m4bFVAfHEKS

Select an application to use
1) HHP
2) [ Create new Application ]
(default is 2): 1
Select the default environment.
You can change this later by typing "eb use [environment_name]".
1) dev-env
2) HHP-dev
(default is 1): 2
Note:
 Elastic Beanstalk now supports AWS CodeCommit; a fully-managed source control service. To learn more, see Docs: https://aws.amazon.com/codecommit/
Do you wish to continue with CodeCommit? (y/n) (default is n): n
OLY (dev) hhp $
```

4. To deploy the application, type eb deploy.
   4.1. When running the deploy command, it will deploy the current state of the git repository (changes that have not been committed will not be included).