**Create Jira Test Instance in AWS**

To create a Jira Test instance in AWS, log in to the AWS Management console and select EC2. Once there, ensure that your region is set to N. Virginia, and select Launch instance. Any instance size will work, other than a t1.micro instance which is two small for Jira to function. Larger instances are faster, but I used a t2.small and it worked fine. Next choose your Linux based operating system. Here I choose Amazon Linux, but any flavor will work. After this, you will be prompted to configure your server; in most cases, the default configurations are fine. If you don’t have a SSH key, you need to make one during installation.

Once your instance is running, you can access it through a terminal using:

chmod 400 /Path/to/key.pem

ssh –i /path.to/key.pem ec2-user@public-DNS-for-instance

Once you run this command, you will have mounted the server. In order to install and configure Jira, follow the steps from the link below, which installs Jira as well as the required dependencies such as Apache, MySQL, PHP and a Jira to MySQL link. It also establishes a supporting SQL database for Jira:

<http://www.dsmorris85.com/?p=408>

Once these steps are completed, you can access your Instance using the Public DNS address or Public IP. If this does not work, make sure your security group allows access to the port or to all traffic. In order to edit your security group, go to the EC2 console and select your instance. Scroll down until you see security group, click on the group. Once the group loads, select Inbound and then New Rule to set your desired security level.

You should then be able to access Jira using the Public DNS for your instance, and configure Jira as desired.

**Other Atlassian Products:**

The same process can be used to create instances of other Atlassian products using different instructions. Everything is the same except for the link that provides the configuration commands for the server is different.

Directions for Stash: <http://www.dsmorris85.com/?p=448>

Directions for Confluence: <http://www.dsmorris85.com/?p=528>

Directions for Bamboo: <http://www.dsmorris85.com/?p=483>

**Important Note for Gov Cloud:**

If you have access to the Gov Cloud, configuration is identical, although it may require VPN or Physical Access to a Government network to create instance.

**Pricing:**

For full details on AWS pricing for all EC2 instance types see:

<http://aws.amazon.com/ec2/pricing/>

**Sizing Chart for Jira:**

<https://confluence.atlassian.com/display/ENTERPRISE/JIRA+Sizing+Guide>