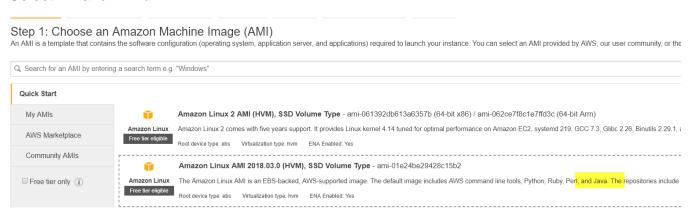
# **Create EC2 for DSpace Docker**

Note

These instructions describe how to try out DSpace Docker on an Amazon EC2 Instance. These instructions are in preliminary form and are intended for testing purposes only.

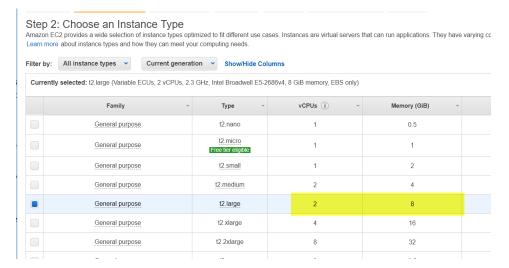
#### Select Amazon Linux



# Select "t2.large" (8G RAM)

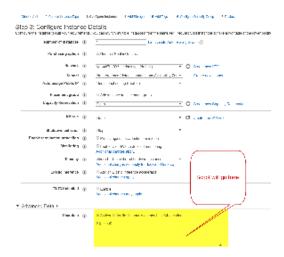
A minimum of 5-6 G is required to run DSpace Docker.

By lowering the default JAVA\_OPTS memory allocations, it might be possible to run within a "t2.medium" (4G RAM).

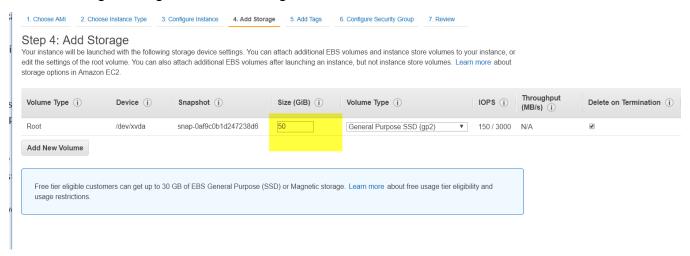


### Copy the start up script detailed below

This will ensure the docker-compose and git are available.

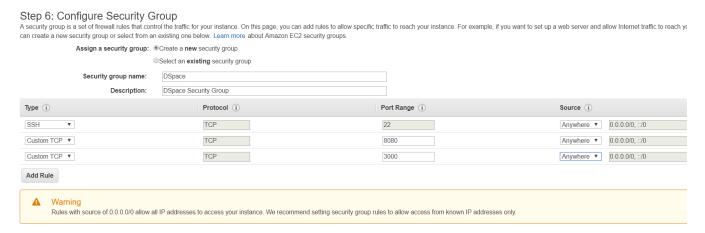


#### Create enough storage for docker images and volumes



#### Make port 8080 and 3000 available

These settings are recommended for testing purposes.



```
# Update OS software
sudo -n yum -y update
# Install Java 8
sudo -n yum -y install java-1.8.0-openjdk-devel
sudo -n yum -y remove java-1.7.0-openjdk
# Install Git
sudo -n yum -y install git
# install docker
sudo yum install docker -y
# Start the Docker Service
sudo service docker start
# Add the ec2-user to the docker group so you can execute Docker commands without using sudo.
sudo usermod -a -G docker ec2-user
# Install Docker compose
# https://docs.docker.com/compose/install/
sudo curl -L "https://github.com/docker/compose/releases/download/1.23.2/docker-compose-$(uname -s)-$(uname -
m)" -o /usr/local/bin/docker-compose
sudo chmod +x /usr/local/bin/docker-compose
# Clone DSpace-Docker-Images
git clone https://github.com/DSpace-Labs/DSpace-Docker-Images.git
cd DSpace-Docker-Images/docker-compose-files/dspace-compose
```

#### Reboot the Machine

This ensures that the permission changes granted to the docker-compose executable will have taken effect.

## Follow the documented DSpace Docker instructions

 $\textbf{See} \ https://github.com/DSpace-Labs/DSpace-Docker-Images/blob/webinar/documentation/run.DSpace7.md$