

1. Open terminal, and navigate to folder with setup\_t2.sh file (~/.Documents/AWS/Spark/t2)
2. sh setup\_t2.sh
3. Wait for the instance to be ready on AWS

The screenshot shows the AWS Management Console interface. On the left is a navigation menu with categories like INSTANCES, IMAGES, NETWORK & SECURITY, and LOAD BALANCING. The main area displays a table of EC2 instances. Two instances are listed: 'fast-ai-gpu-machine' (ID: i-045330bcbeb41a5f, state: running) and another 'fast-ai-gpu-machine' (ID: i-098f5b1551a8e4b1f, state: terminated). Below the table, the details for the running instance are shown in a tabbed view. The 'Description' tab is active, displaying various attributes such as Instance ID, Instance state, Instance type, Private DNS, Private IPs, Secondary private IPs, VPC ID, Subnet ID, Network interfaces, Source/dest. check, EBS-optimized status, Root device type, Root device, Block devices, Public DNS, Public IP, Elastic IPs, Availability zone, Security groups, Scheduled events, AMI ID, Platform, IAM role, Key pair name, Owner, Launch time, Termination protection, Lifecycle, Monitoring, Alarm status, Kernel ID, RAM disk ID, and Placement group.

4. ssh into the instance using the command printed out by the bash script
5. Run jupyter notebook
6. Connect to jupyter on the browser using the instance address and port 8888 (password is dl\_course)

The screenshot shows a Jupyter Notebook interface in a web browser. The browser address bar shows the URL: `ec2-35-165-231-141.us-west-2.compute.amazonaws.com:8888/notebooks/HW5_GuimaraesDuarte_Andre.ipynb`. The notebook has a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar. The code is written in Python and defines a neural network model using Theano and Keras. The code is as follows:

```
In [1]: import theano
from keras.models import Sequential
from keras.layers import Dense, Activation
Using Theano backend.

In [2]: x = theano.tensor.dscalar()
f = theano.function([x], 2*x)
f(4)
Out[2]: array(8.0)

In [3]: model = Sequential([
    Dense(32, input_dim=784),
    Activation('relu'),
    Dense(10),
    Activation('softmax'),
])
model = Sequential()

In [4]: model
Out[4]: <keras.models.Sequential at 0x7f3796a71050>

In [ ]:
```