

How to make the graphlab canvas work when running jupyter on EC2 instance

```
In [5]: # .show() visualizes any data structure in GraphLab Create  
sf.show()
```

Canvas is accessible via web browser at the URL: `http://localhost:52766/index.html`
Opening Canvas in default web browser.



This site can't be reached

localhost refused to connect.

ERR_CONNECTION_REFUSED

[Details](#)

Setting up your EC2 instance correctly

The screenshot shows the AWS Management Console for the us-west-2 region. The left sidebar contains navigation links for Reports, Limits, INSTANCES, IMAGES, ELASTIC BLOCK STORE, and NETWORK & SECURITY. The main content area displays a list of EC2 instances. Two instances are visible: 't-2a' (terminated) and 't-2b' (running). The 't-2b' instance is selected, and its details are shown in the 'Description' tab. The details include Instance ID, Instance state, Instance type, Private DNS, Private IPs, Secondary private IPs, VPC ID, Public DNS, Public IP, Elastic IP, Availability zone, Security groups, Scheduled events, and AMI ID. Annotations highlight the importance of selecting a key pair and creating an Elastic IP.

When setting up your instance, ensure you create/ select a key pair

You will need this when creating a tunnel

Creating an elastic IP ensures your IP does not change every time you restart your instance

Public DNS

Public IP

Elastic IP

Availability zone

Security groups

Scheduled events

AMI ID


Note: Creating and Elastic IP is not required to make canvas work and comes with a small monthly charge!!!

In Jupyter notebook on EC2 instance

```
In [1]: import graphlab  
graphlab.product_key.set_product_key( [REDACTED] )
```

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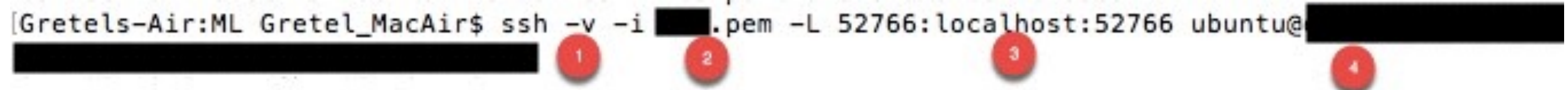


You need this
port number of
the tunnel

In Terminal

CD to the folder in which you stored the key (*.pem) or add the path in front of the key (number2):

```
[Gretels-Air:ML Gretel_MacAir$ ssh -v -i [REDACTED].pem -L 52766:localhost:52766 ubuntu@[REDACTED]
```

A terminal window showing an SSH command. Four red circles with numbers 1 through 4 are placed below the command to highlight specific parts: 1 is under '-v', 2 is under the key file path '[REDACTED].pem', 3 is under the port mapping '-L 52766:localhost:52766', and 4 is under the target host 'ubuntu@[REDACTED]'. The terminal prompt is '[Gretels-Air:ML Gretel_MacAir\$'.

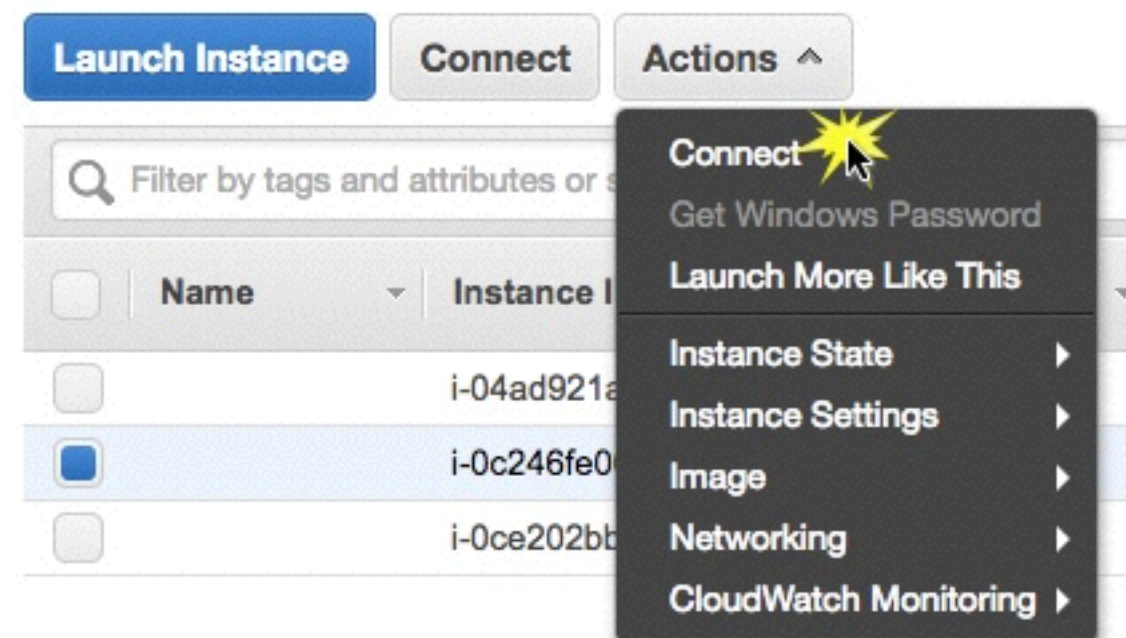
1.-v is not required but it will give you all the details in case something goes wrong

2.-i the name of the key

3.use the port number obtained above in Jupyter

4.use Public DNS from your EC2 instance details

FYI, you can look here for instructions on how to connect to your instance:



Note: The user is ubuntu.

Result

```
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Now it does
work

