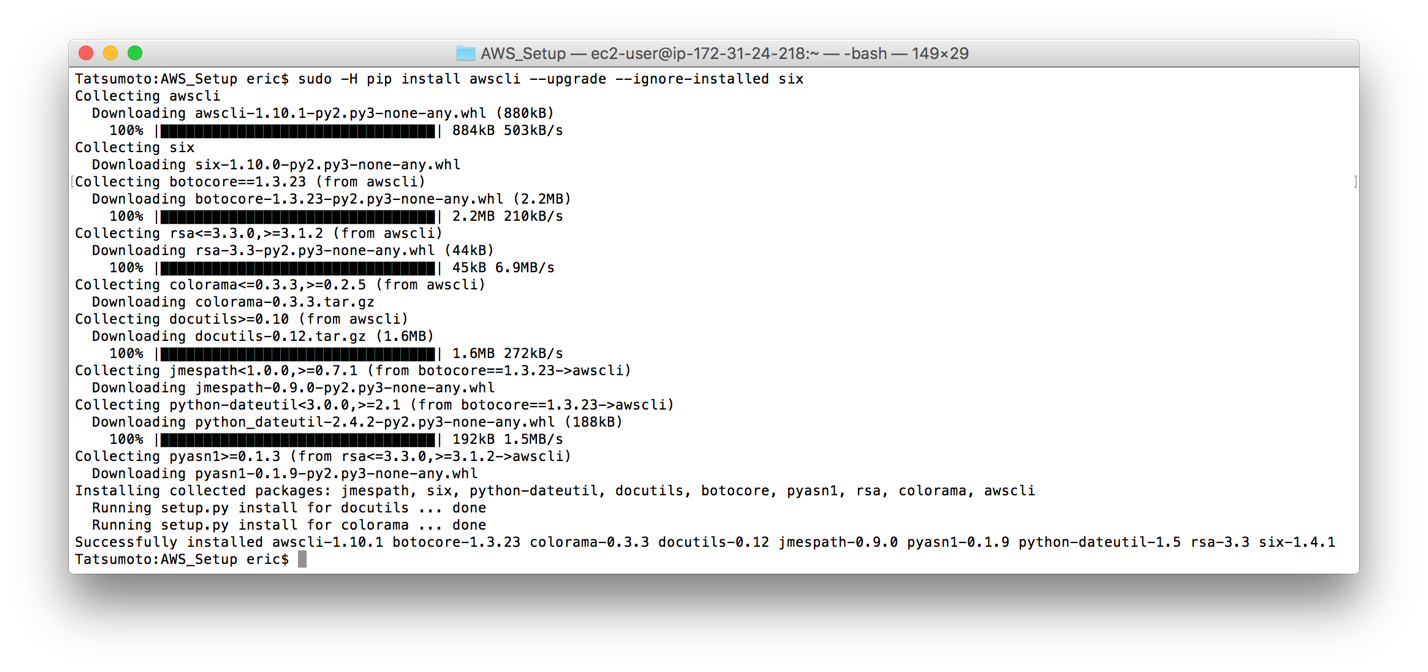
**Part A – Using Command Line to setup and Access EC2 Instance**

*Install aws-cli*

**sudo -H pip install awscli --upgrade --ignore-installed six**

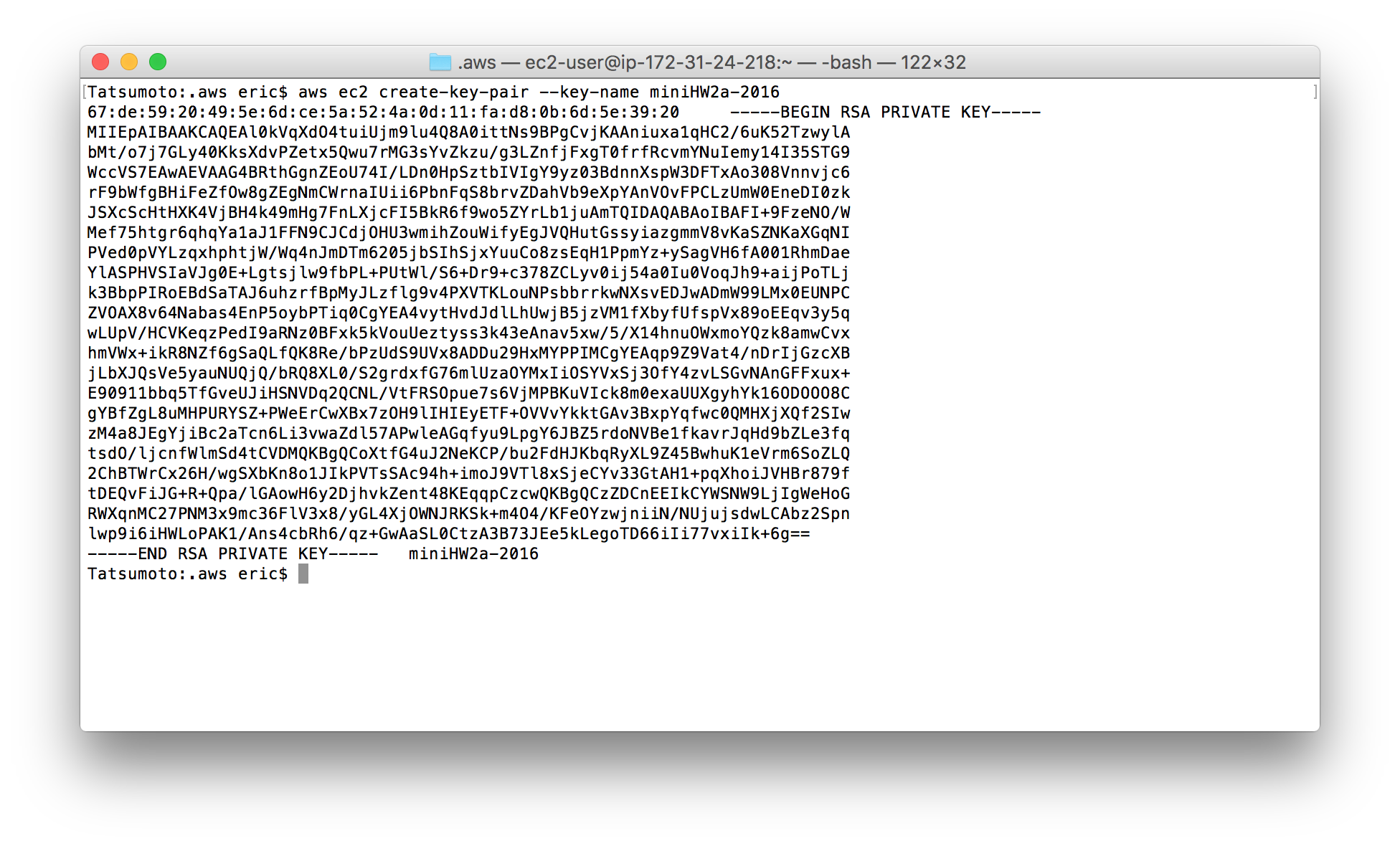


Access AWS instanced from MiniHW1 using CL

*aws configure (input key-pair details created for Mini-HW1)*

*Bonus: Create key-pair value using console*

**aws ec2 create-key-pair --key-name miniHW2A\_2016**



Save key-pair in key-pair.pem file and chmod to 400 so it is not visible

**vi miniHW2A\_2016.pem (paste contents of RSA Key)**

-----BEGIN RSA PRIVATE KEY-----

MIIEpAIBAAKCAQEAl0kVqXdO4tuiUjm9lu4Q8A0ittNs9BPgCvjKAAniuxa1qHC2/6uK52TzwylA

bMt/o7j7GLy40KksXdvPZetx5Qwu7rMG3sYvZkzu/g3LZnfjFxgT0frfRcvmYNuIemy14I35STG9

WccVS7EAwAEVAAG4BRthGgnZEoU74I/LDn0HpSztbIVIgY9yz03BdnnXspW3DFTxAo308Vnnvjc6

rF9bWfgBHiFeZfOw8gZEgNmCWrnaIUii6PbnFqS8brvZDahVb9eXpYAnVOvFPCLzUmW0EneDI0zk

JSXcScHtHXK4VjBH4k49mHg7FnLXjcFI5BkR6f9wo5ZYrLb1juAmTQIDAQABAoIBAFI+9FzeNO/W

Mef75htgr6qhqYa1aJ1FFN9CJCdjOHU3wmihZouWifyEgJVQHutGssyiazgmmV8vKaSZNKaXGqNI

PVed0pVYLzqxhphtjW/Wq4nJmDTm6205jbSIhSjxYuuCo8zsEqH1PpmYz+ySagVH6fA001RhmDae

YlASPHVSIaVJg0E+Lgtsjlw9fbPL+PUtWl/S6+Dr9+c378ZCLyv0ij54a0Iu0VoqJh9+aijPoTLj

k3BbpPIRoEBdSaTAJ6uhzrfBpMyJLzflg9v4PXVTKLouNPsbbrrkwNXsvEDJwADmW99LMx0EUNPC

ZVOAX8v64Nabas4EnP5oybPTiq0CgYEA4vytHvdJdlLhUwjB5jzVM1fXbyfUfspVx89oEEqv3y5q

wLUpV/HCVKeqzPedI9aRNz0BFxk5kVouUeztyss3k43eAnav5xw/5/X14hnuOWxmoYQzk8amwCvx

hmVWx+ikR8NZf6gSaQLfQK8Re/bPzUdS9UVx8ADDu29HxMYPPIMCgYEAqp9Z9Vat4/nDrIjGzcXB

jLbXJQsVe5yauNUQjQ/bRQ8XL0/S2grdxfG76mlUzaOYMxIiOSYVxSj3OfY4zvLSGvNAnGFFxux+

E90911bbq5TfGveUJiHSNVDq2QCNL/VtFRSOpue7s6VjMPBKuVIck8m0exaUUXgyhYk16ODOOO8C

gYBfZgL8uMHPURYSZ+PWeErCwXBx7zOH9lIHIEyETF+OVVvYkktGAv3BxpYqfwc0QMHXjXQf2SIw

zM4a8JEgYjiBc2aTcn6Li3vwaZdl57APwleAGqfyu9LpgY6JBZ5rdoNVBe1fkavrJqHd9bZLe3fq

tsdO/ljcnfWlmSd4tCVDMQKBgQCoXtfG4uJ2NeKCP/bu2FdHJKbqRyXL9Z45BwhuK1eVrm6SoZLQ

2ChBTWrCx26H/wgSXbKn8o1JIkPVTsSAc94h+imoJ9VTl8xSjeCYv33GtAH1+pqXhoiJVHBr879f

tDEQvFiJG+R+Qpa/lGAowH6y2DjhvkZent48KEqqpCzcwQKBgQCzZDCnEEIkCYWSNW9LjIgWeHoG

RWXqnMC27PNM3x9mc36FlV3x8/yGL4XjOWNJRKSk+m4O4/KFeOYzwjniiN/NUjujsdwLCAbz2Spn

lwp9i6iHWLoPAK1/Ans4cbRh6/qz+GwAaSL0CtzA3B73JEe5kLegoTD66iIi77vxiIk+6g==

-----END RSA PRIVATE KEY----- miniHW2A\_2016

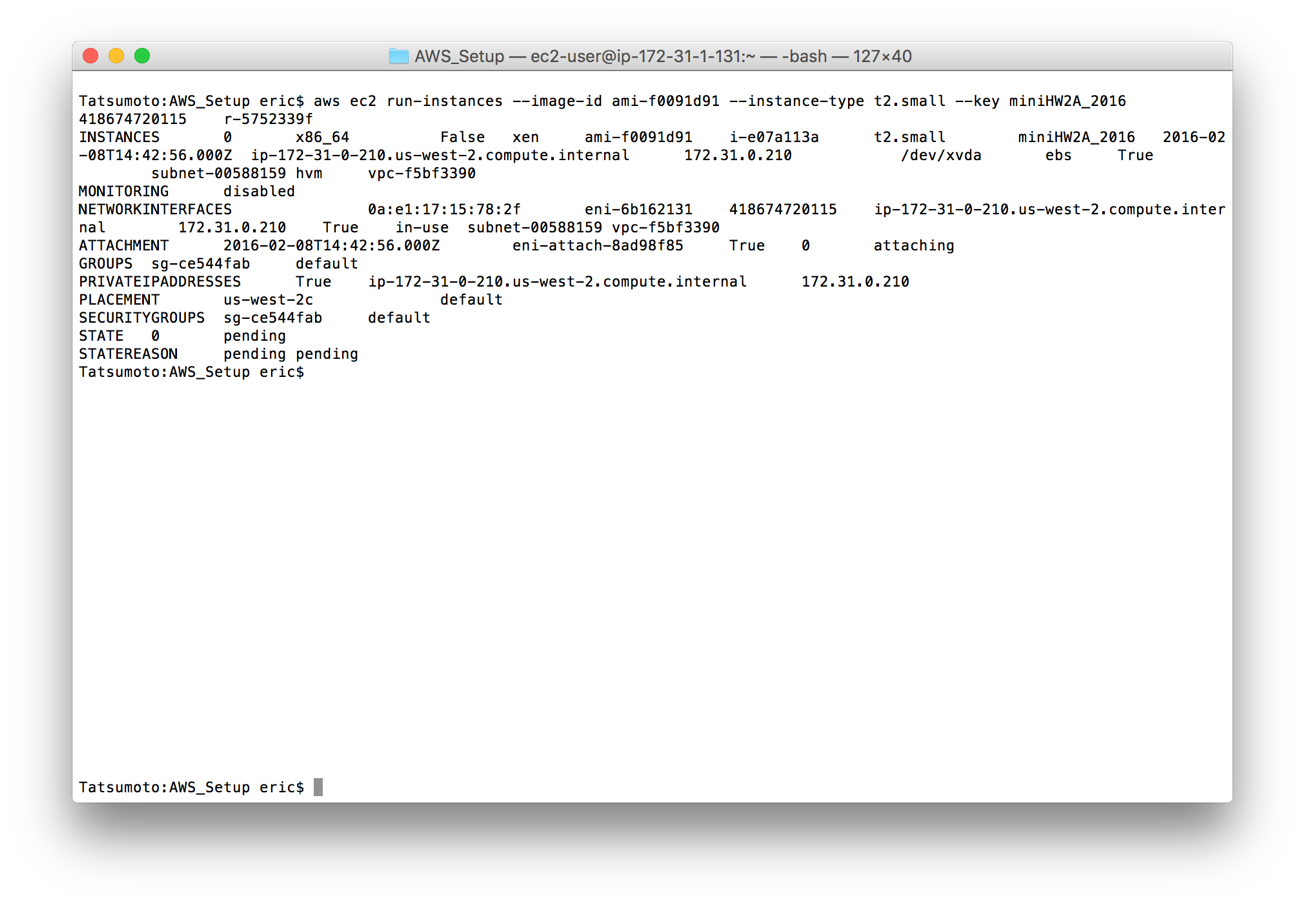
**chmod 400 miniHW2A\_2016.pem**

*Bonus: Create security group using aws console*

**aws ec2 create-security-group --group-name MySecurityGroup --description "My security group"**

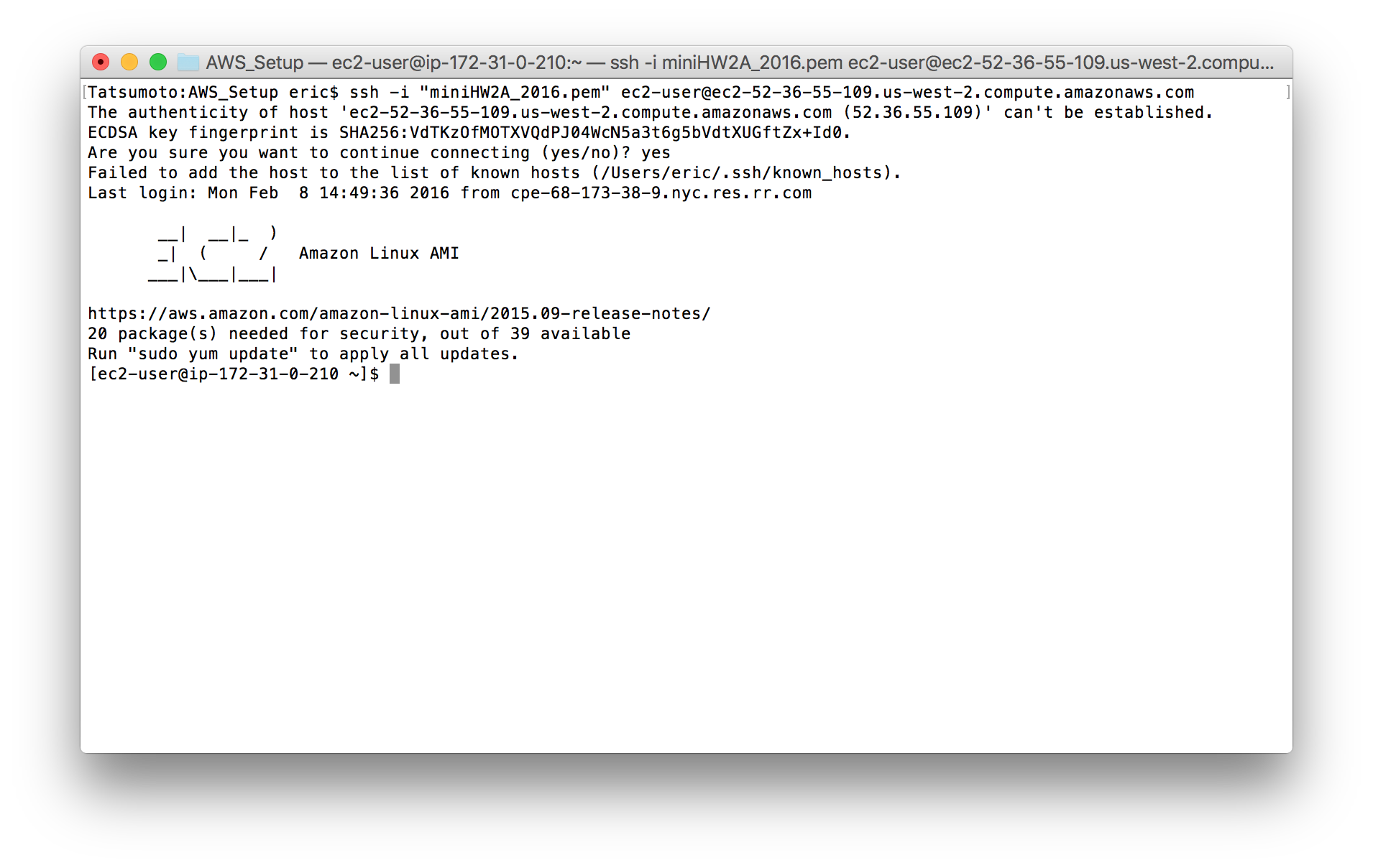
*Launch EC2 instance from CL*

**aws ec2 run-instances -–image-id ami-f0091d91 --instance-type t2.small --key miniHW2A\_2016 --group sg-ce544fab**

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*SSH into instance created in CL*

**ssh -i "miniHW2A\_2016.pem" ec2-user@ec2-52-36-55-109.us-west-2.compute.amazonaws.com**



**Part B – Create a Java Application that Configures and Creates an EC2 Instance**

*Install Eclipse Java and the Amazon AWS SDK*

