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Aws practicals

# Connecting ec2 instance with ssh

**Give read only permission to downloaded private key - chmod 400 AwsTestingkeypair.pem**

**Connect using following commands.**

**ssh -i "AwsTestingkeypair.pem" ec2-user@10.1.0.10**

ssh -I “<.pem key>” <ec2-user@ip/dns name>

# Connecting ec2 instance with putty

Need to convert .pem key into .ppk file with the same name using puttygen

Open putty, ssh -> auth -> load ppk file here. And open connection with url with ssh port 22.

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/putty.html?icmpid=docs_ec2_console>

Note that if you want to connect through windows, you need to provide access to RDP (3389) at security group and NACL.

# Connectiong to private subnet’s ec2 instance from ec2 instance

Example of bastion host

eval `ssh-agent -s` - run this command to run ssh-add

ssh-add -K <.pem file> - this is required to add the private key in cache. So when you connect ec2 inst. From ec2 inst. You do not need to locate the private key (.pem) there because you don’t have private key on ec2 instance.

To connect to the instance just run

ssh -A <ec2-user@10.1.0.10 - this command will connect to the ec2 instance from the database.

To verify your keys in cache run the below command to list all the keys

ssh-add -L

output

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCXqvr1R9PuHntuvrAz6dAHDEQuBffKineB23/HsSQm7T9UHW4eWnn7wHb9Y6u2qYY+SxieZw0Tnjhzm3pOsuWM3v3uMixFj46etJVDnq4qjs1aip/ixXCwTqCIOuv4HPwduPzORhnhq/PZ+Qcac9clcvronKycECFAJKfVvflK4/x0y9cTY7aCGrHkgouWgXO/OHNgvVI2EXZw6/UqgHi/+4JctuwDhAWCSNJBptwuUMVDu5FNysGxg86hzzAqkVn7rsh+LMbyj+hZUlt+xaEWXlbv7/RoRL6icVmCMka71RwHgXQfhQkOrI3JIcuyOcZNoMPt/uUrm90yninghdE/ AwsTestingkeypair.pem

<https://aws.amazon.com/blogs/security/securely-connect-to-linux-instances-running-in-a-private-amazon-vpc/>

note that

Nat instance – initiates traffic from inside to outside

Bastion host – initiates traffic from outside to insinde by jumping to the ec2 instace to connect private subnet’s ec2 instance/server

fg