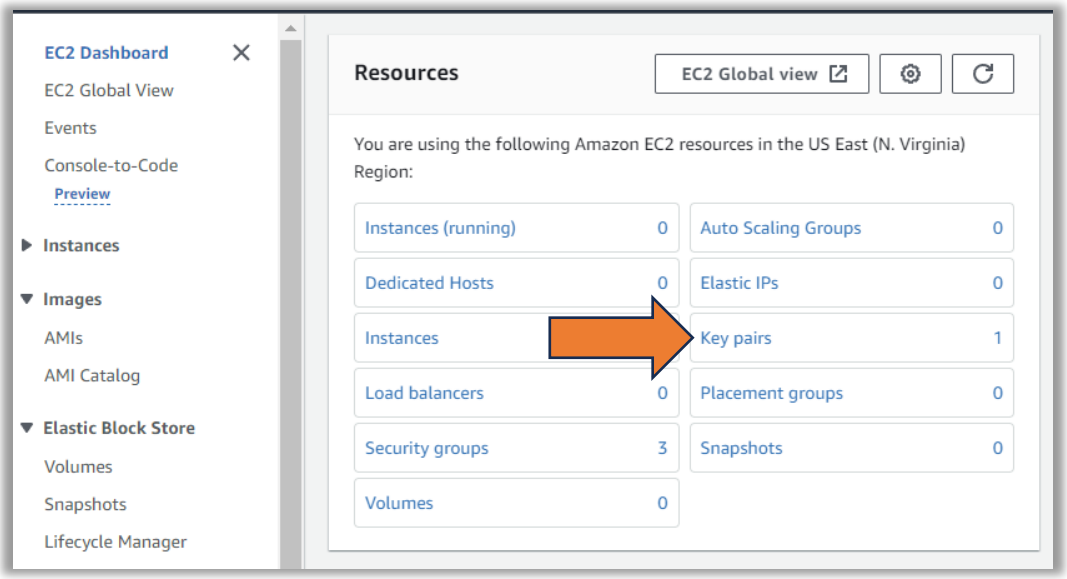
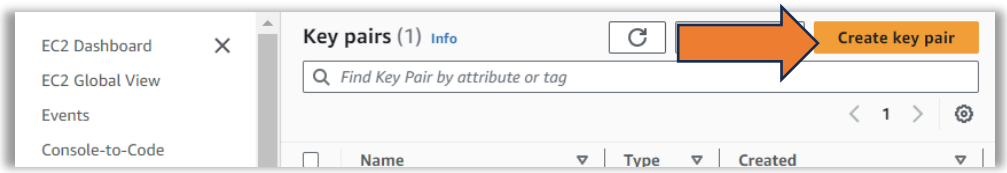
Elastic Compute Cloud Key Pairs Lab

In this lab, you will learn about Elastic Compute Cloud (EC2) and Key Pairs. How to create a key pair and use the key to SSH into the EC2 instances. A key pair, consisting of a public key and a private key, is a set of security credentials that you use to prove your identity when connecting to an Amazon EC2 instance.

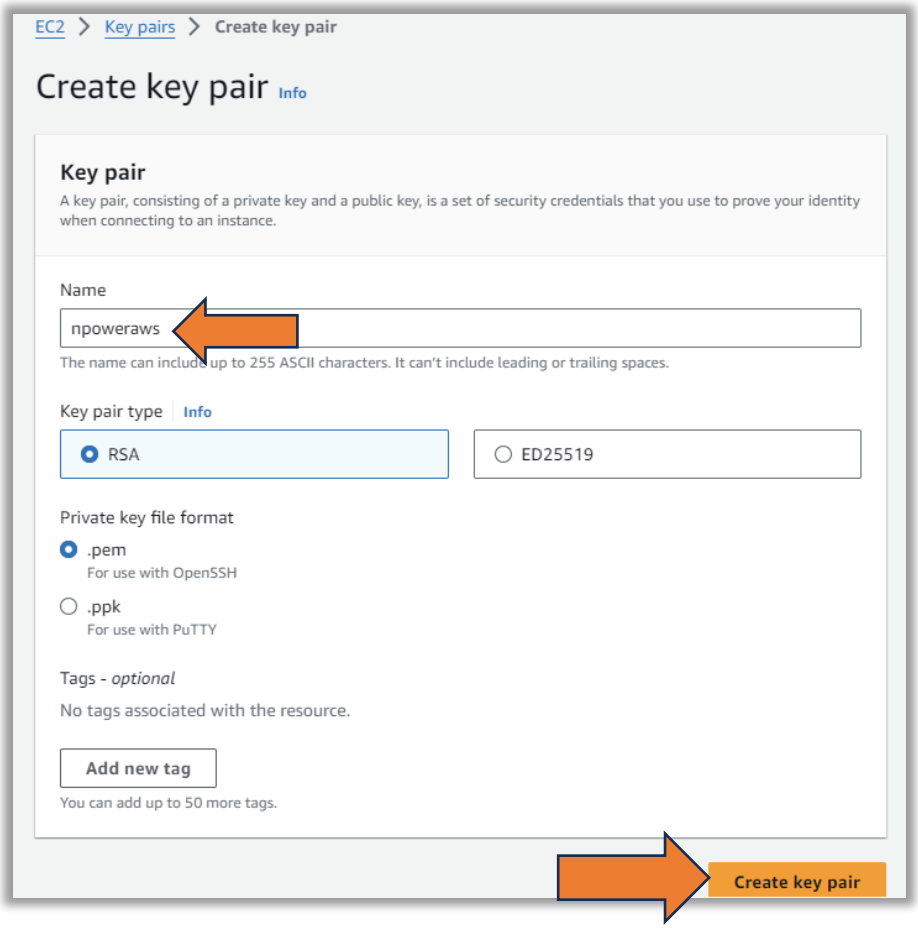
Step 1. Go to your EC2 Dashboard and click Key Pairs



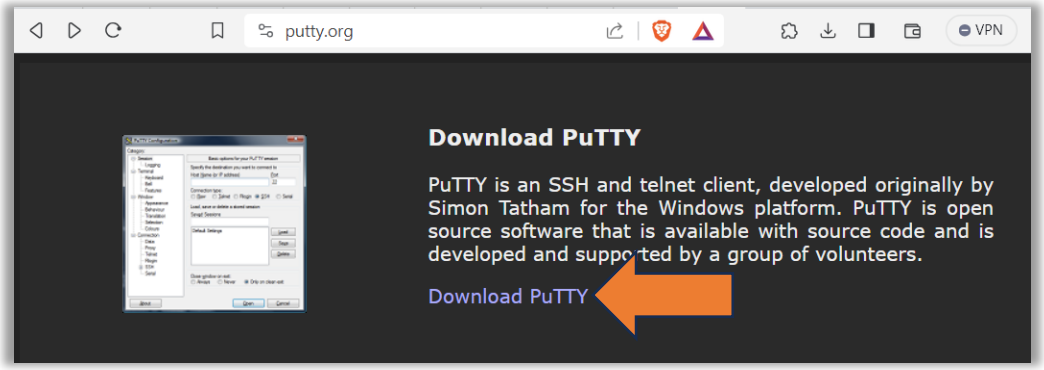
Step 2. Click on Create a key pair.



Step 2a. Name your key pair (**npoweraws**) with the file format as (**pem**) and click create.



Step 3. Now that we have our keypair we must download Putty. Navigate to putty.org and download putty.exe and puttygen.exe.
URL: putty.org



putty.exe (the SSH and Telnet client itself)

64-bit x86:	putty.exe	(signature)
64-bit Arm:	putty.exe	(signature)
32-bit x86:	putty.exe	(signature)

pscp.exe (an SCP client, i.e. command-line secure file copy)

64-bit x86:	pscp.exe	(signature)
64-bit Arm:	pscp.exe	(signature)
32-bit x86:	pscp.exe	(signature)

psftp.exe (an SFTP client, i.e. general file transfer sessions much like FTP)

64-bit x86:	psftp.exe	(signature)
64-bit Arm:	psftp.exe	(signature)
32-bit x86:	psftp.exe	(signature)

puttytel.exe (a Telnet-only client)

64-bit x86:	puttytel.exe	(signature)
64-bit Arm:	puttytel.exe	(signature)
32-bit x86:	puttytel.exe	(signature)

plink.exe (a command-line interface to the PuTTY back ends)

64-bit x86:	plink.exe	(signature)
64-bit Arm:	plink.exe	(signature)
32-bit x86:	plink.exe	(signature)

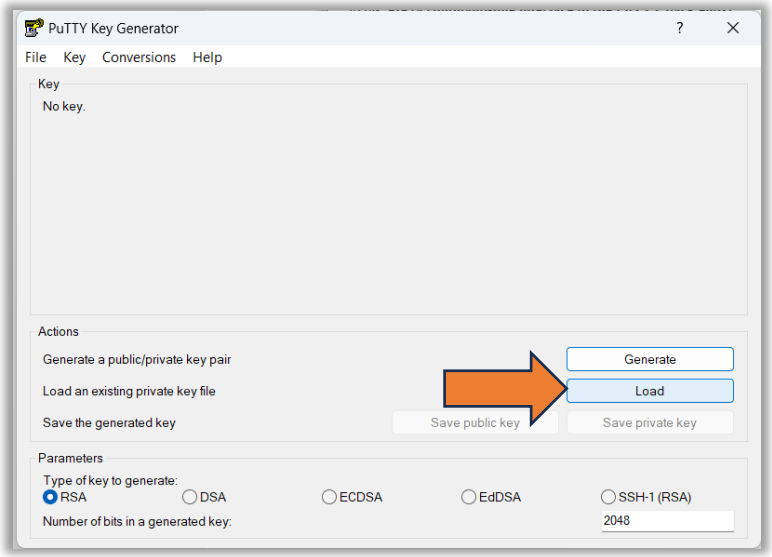
pageant.exe (an SSH authentication agent for PuTTY, PSCP, PSFTP, and Plink)

64-bit x86:	pageant.exe	(signature)
64-bit Arm:	pageant.exe	(signature)
32-bit x86:	pageant.exe	(signature)

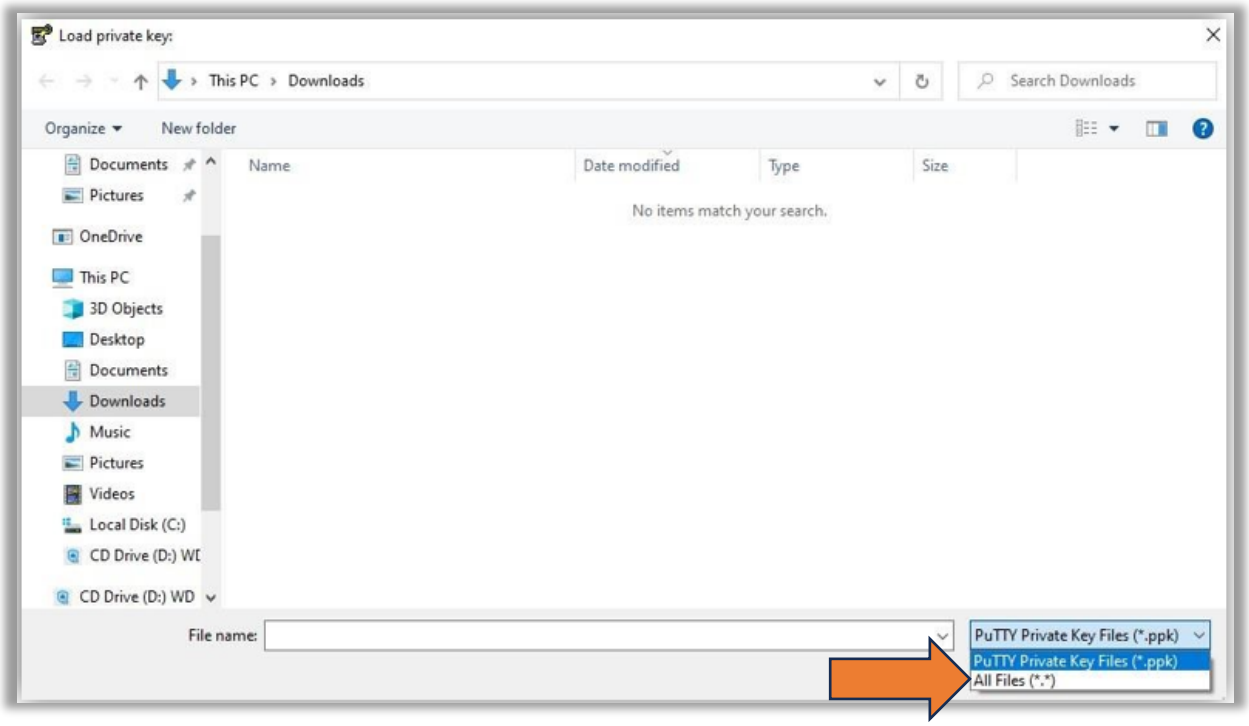
puttygen.exe (a RSA and DSA key generation utility)

64-bit x86:	puttygen.exe	(signature)
64-bit Arm:	puttygen.exe	(signature)
32-bit x86:	puttygen.exe	(signature)

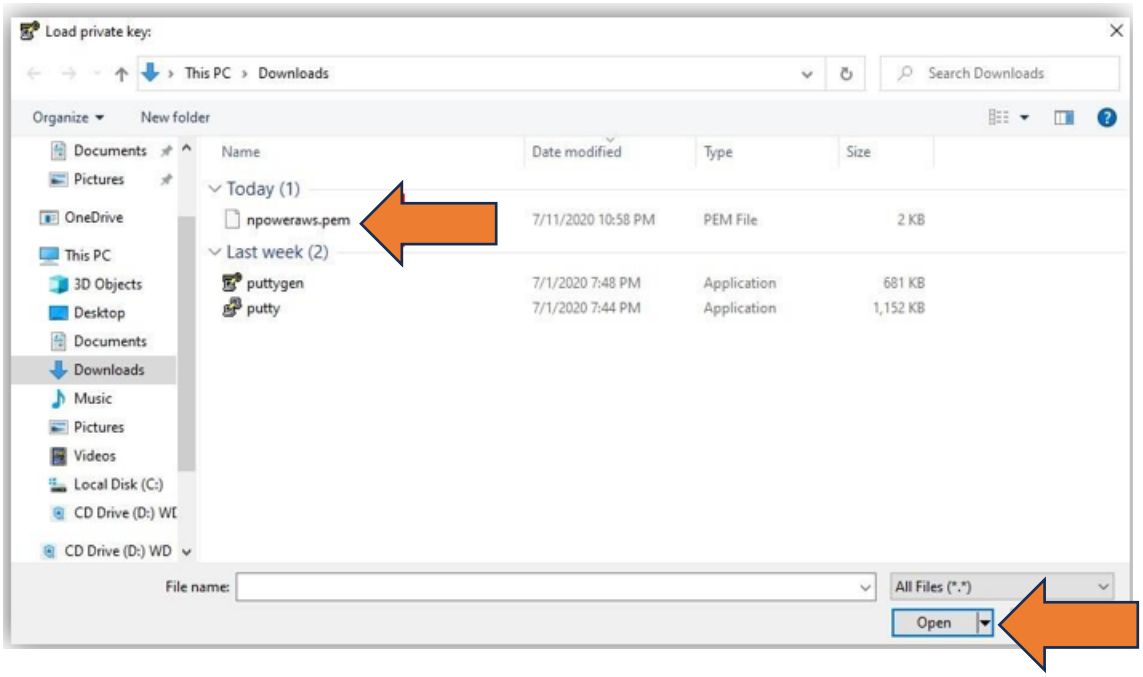
Step 4. Load the keypair downloaded in Step 2

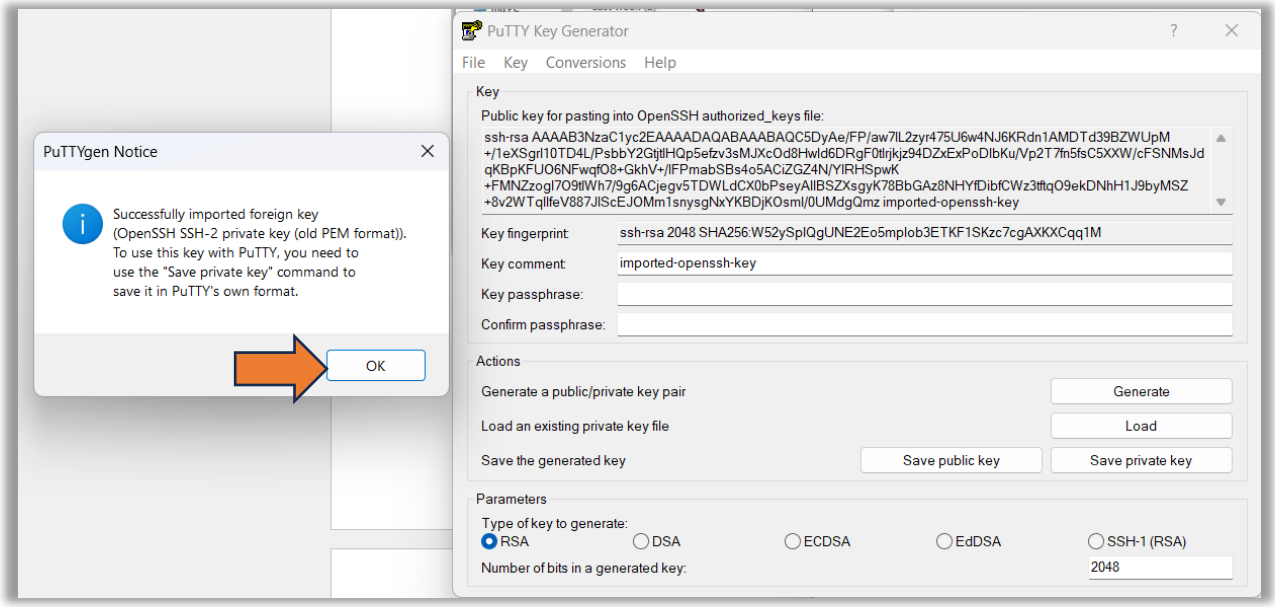


Step 4a. Sort by all files to be able to view the file downloaded.

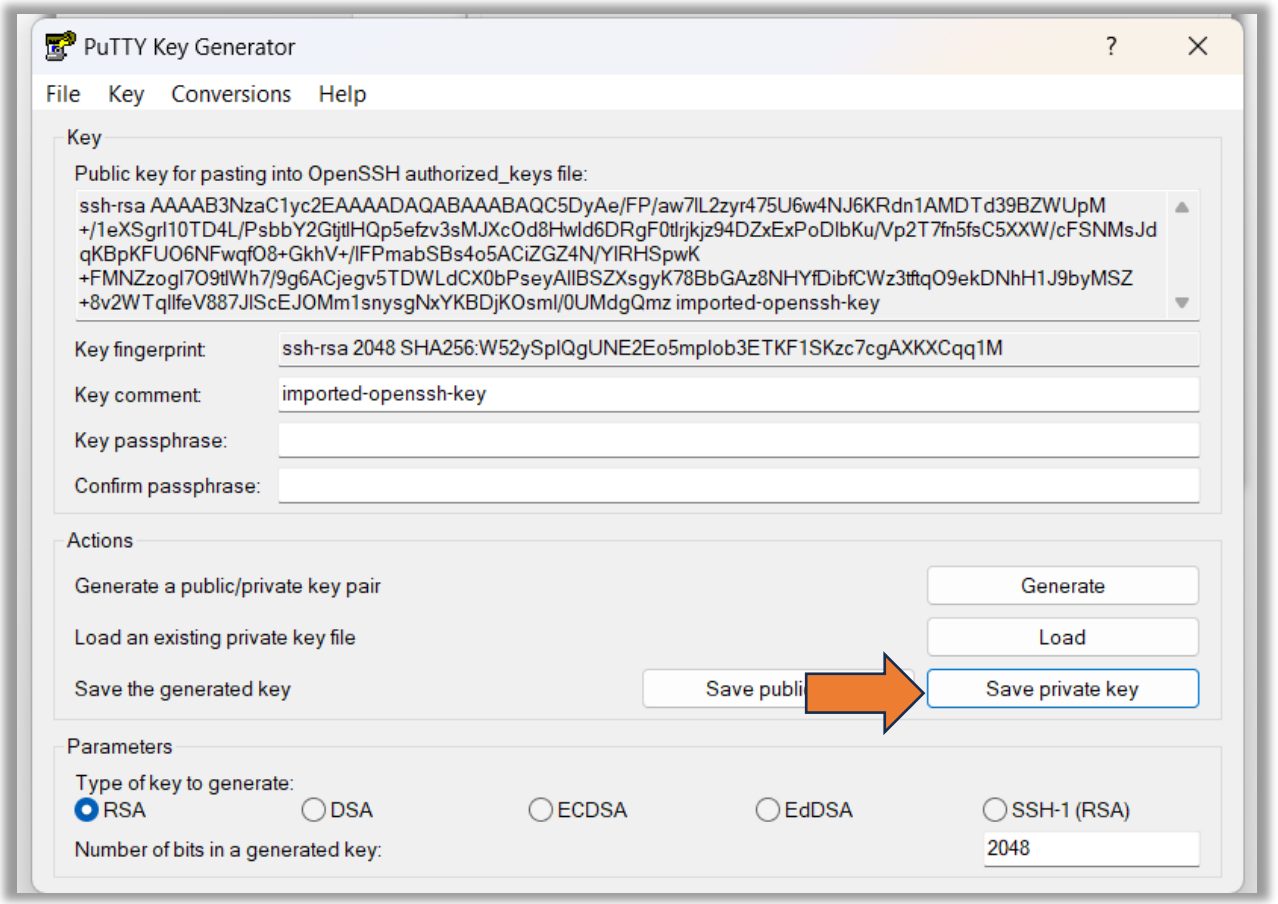


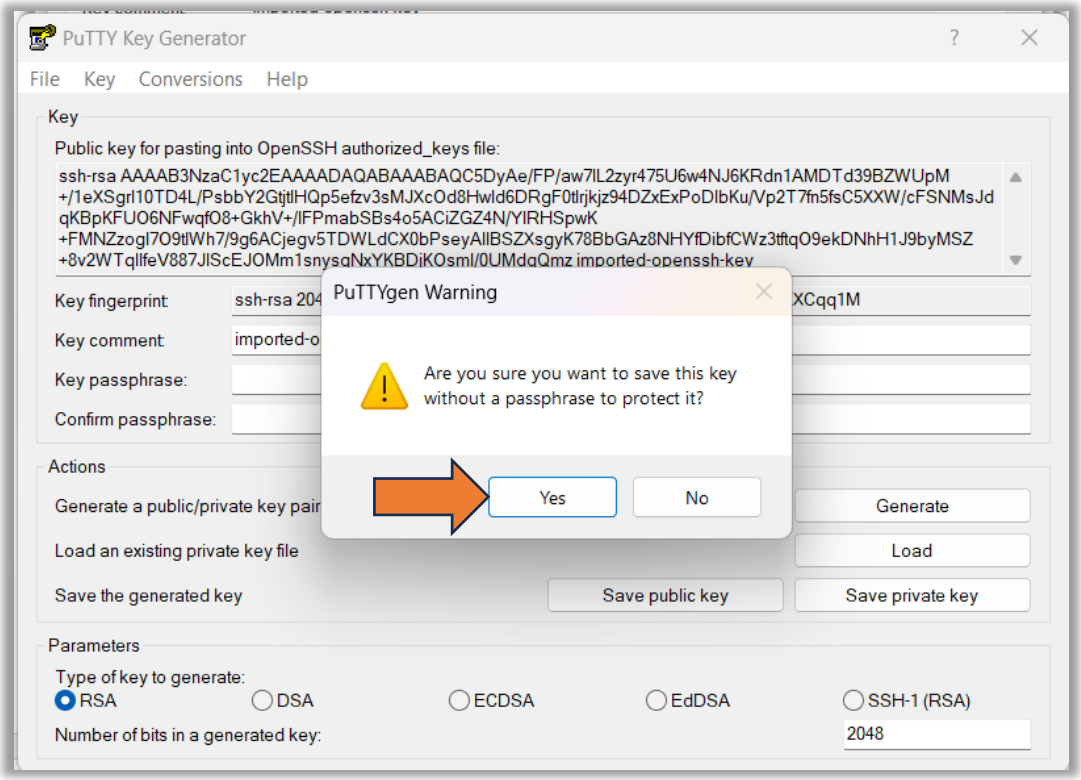
Step 4c: Choose the .pem file downloaded from step 2 and click open (load)



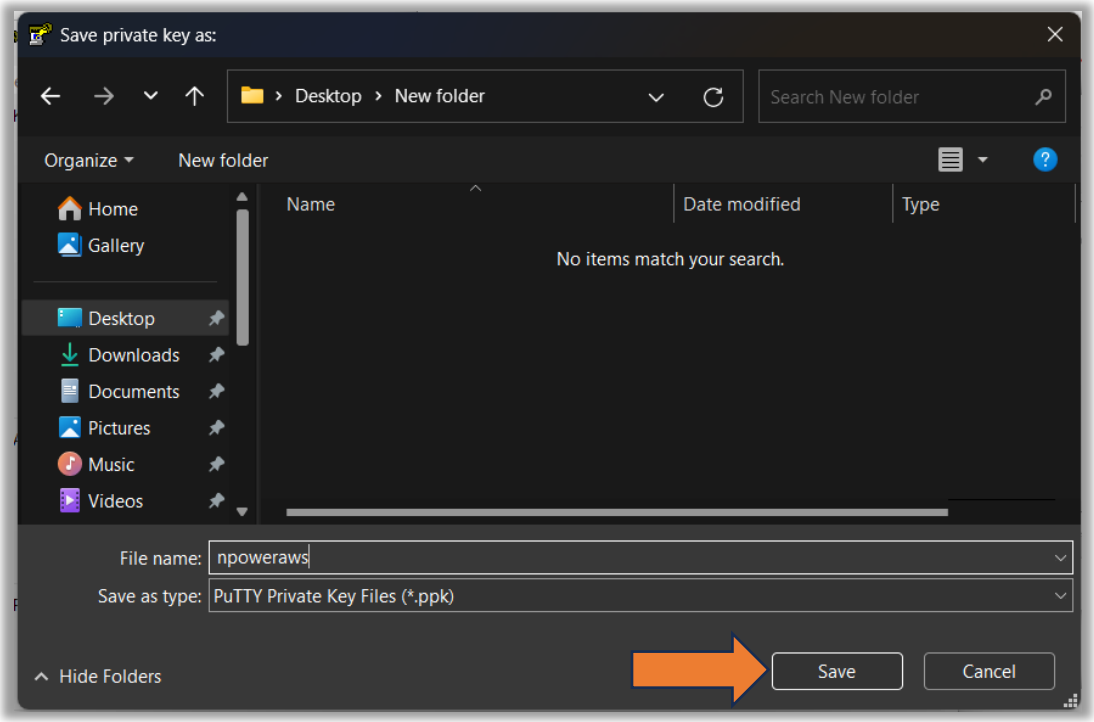


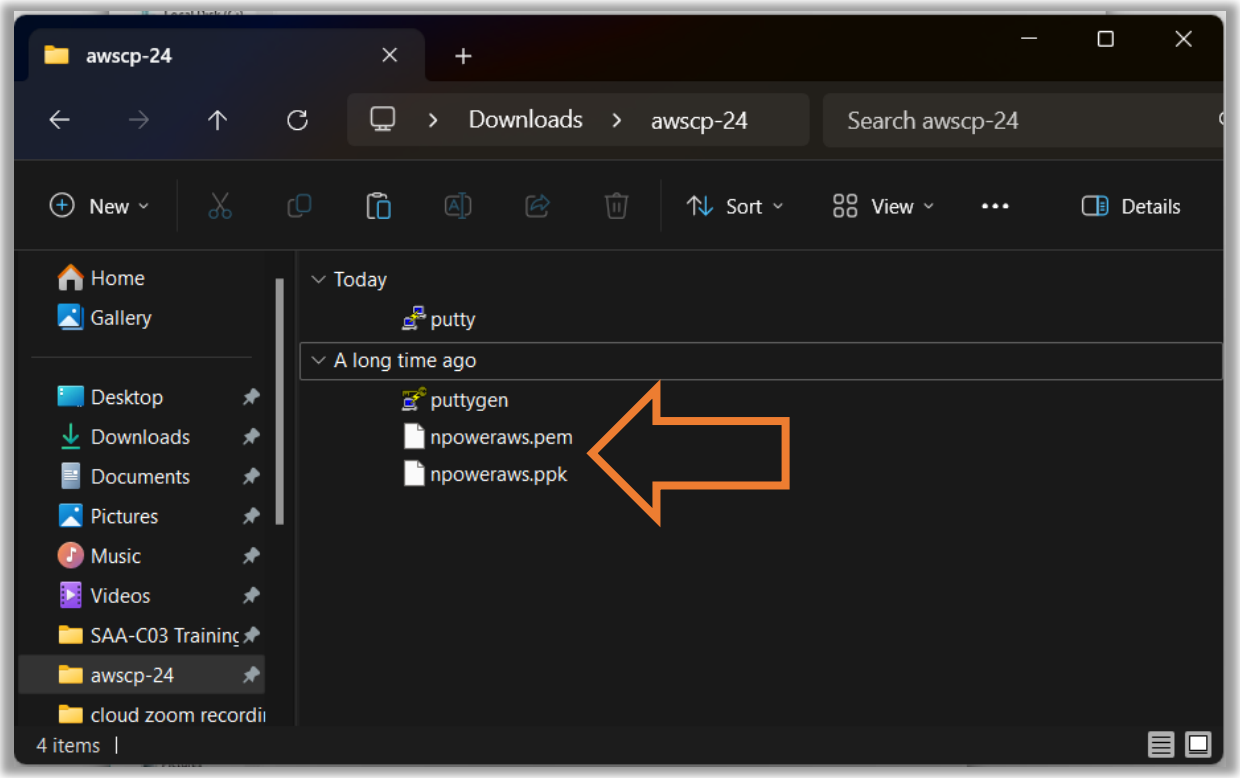
Step 5: After importing **npoweraws** pem key, save as private key.





Step 6. Save your private key with the same file name as your pem key





CONGRATULATIONS, you have an AWS private key pair!