

# AWS Educate

SETTING UP PUTTY AND WINSCP TO CONNECT TO EC2 INSTANCE

# Download Putty and WinSCP

- ▶ <https://www.putty.org/>
- ▶ <https://winscp.net/eng/download.php>
- ▶ WinSCP is for you to transfer files.
- ▶ You can use other method as well.

# Hostname

“ubuntu@” + Public DNS

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The screenshot displays the AWS Management Console interface for an EC2 instance. At the top, there are buttons for 'Launch Instance', 'Connect', and 'Actions'. Below these is a search bar and a table of instances. The table has columns for Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, Public DNS (IPv4), IPv4 Public IP, and IPv6 IPs. One instance is listed with ID 'i-09cc806b2e647fc84', type 't2.micro', in 'us-east-1b' availability zone, and state 'running'. Its public DNS is 'ec2-3-87-210-61.compute-1.amazonaws.com' and its public IP is '3.87.210.61'.

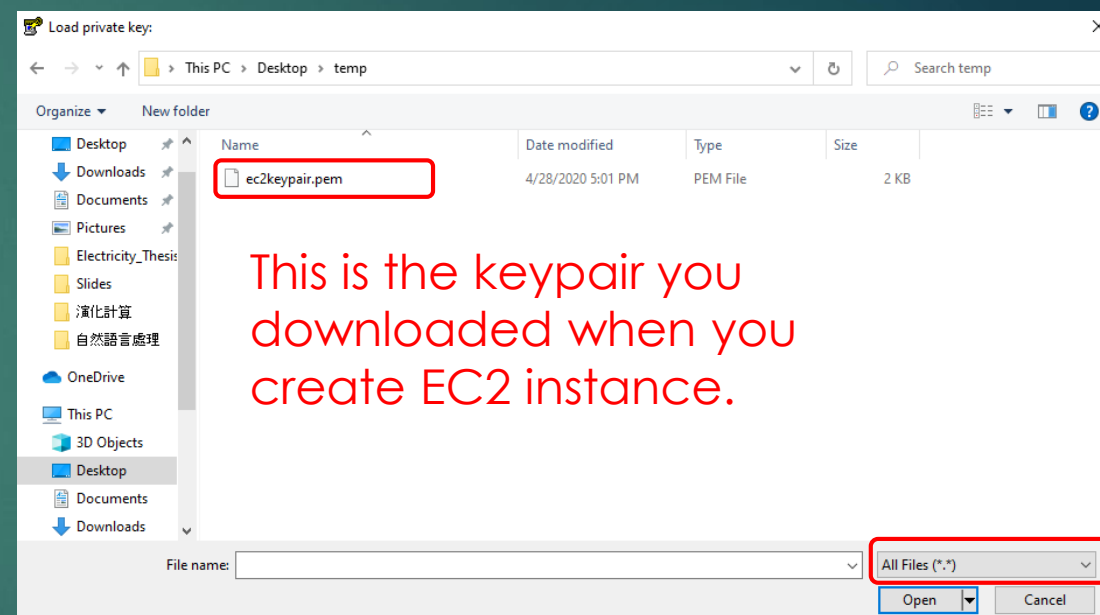
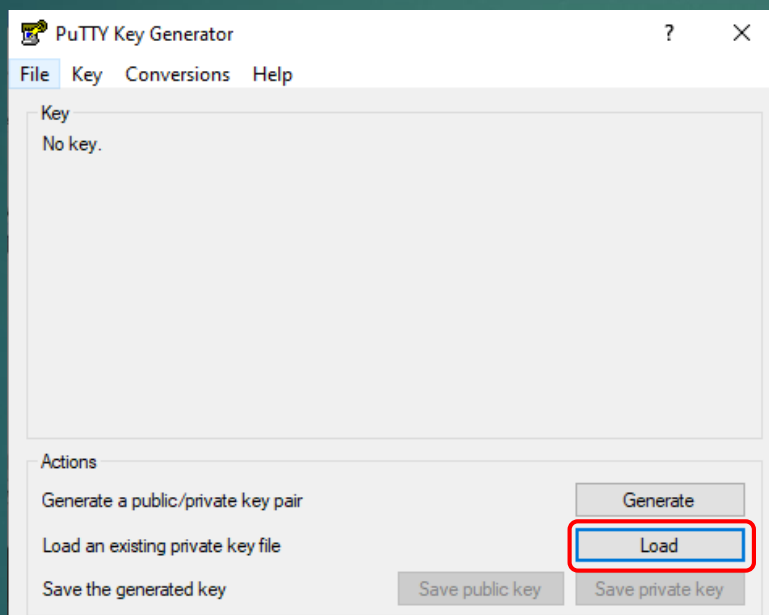
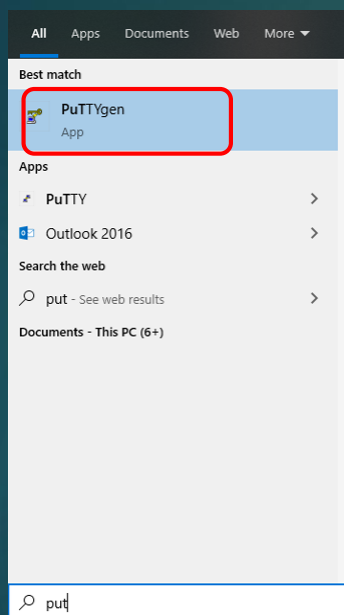
Below the table, the 'Description' tab is selected for the instance 'i-09cc806b2e647fc84'. It shows the public DNS as 'ec2-3-87-210-61.compute-1.amazonaws.com' (highlighted with a red box). Other details include Instance ID, Instance state (running), Instance type (t2.micro), Private DNS, Private IPs, Secondary private IPs, VPC ID, and Subnet ID.

Overlaid on the console is the 'PuTTY Configuration' dialog box. In the 'Session' category, the 'Host Name (or IP address)' field is populated with 'ubuntu@ec2-3-87-210-61.compute-1.amazonaws.com' (highlighted with a red box). The 'Port' is set to '22'. The 'Connection type' is set to 'SSH'. The 'Close window on exit' option is set to 'Only on clean exit'.

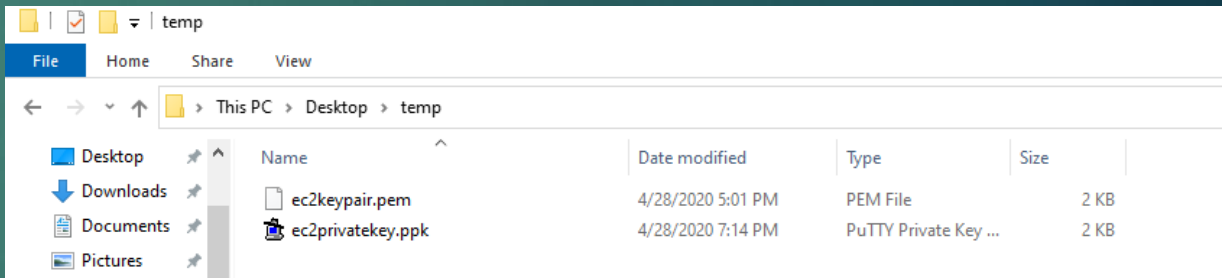
# Generate Private key

## Use PuTTYgen

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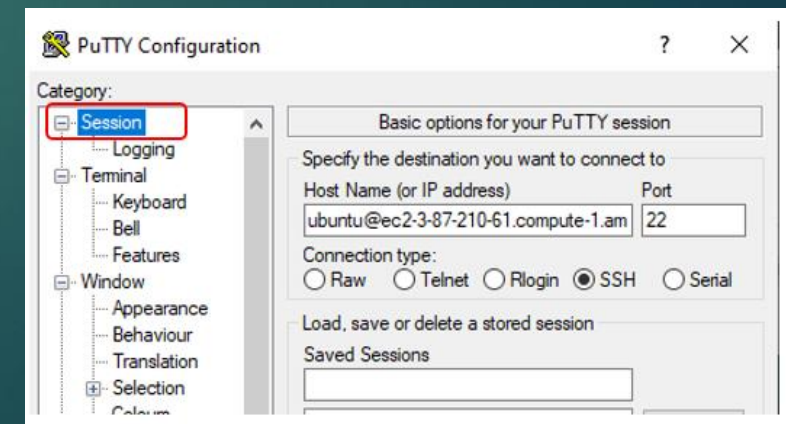
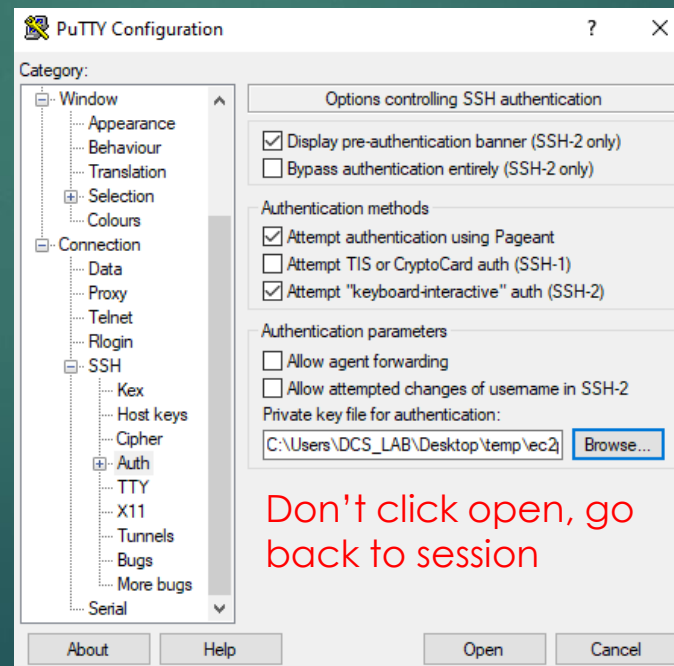
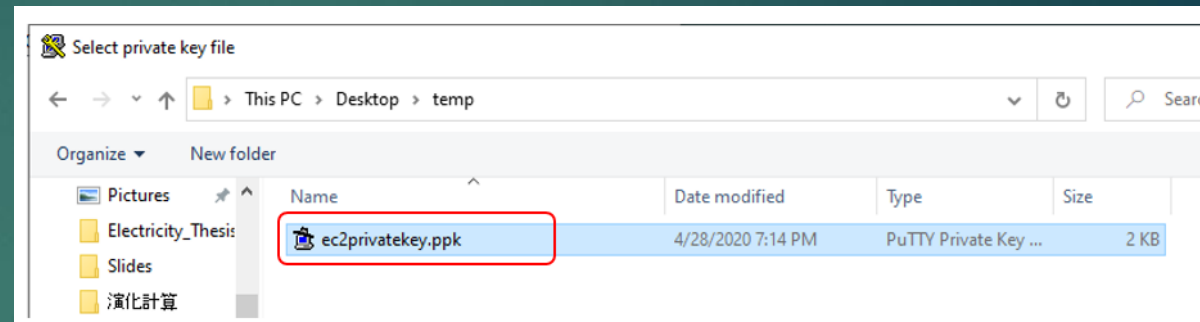
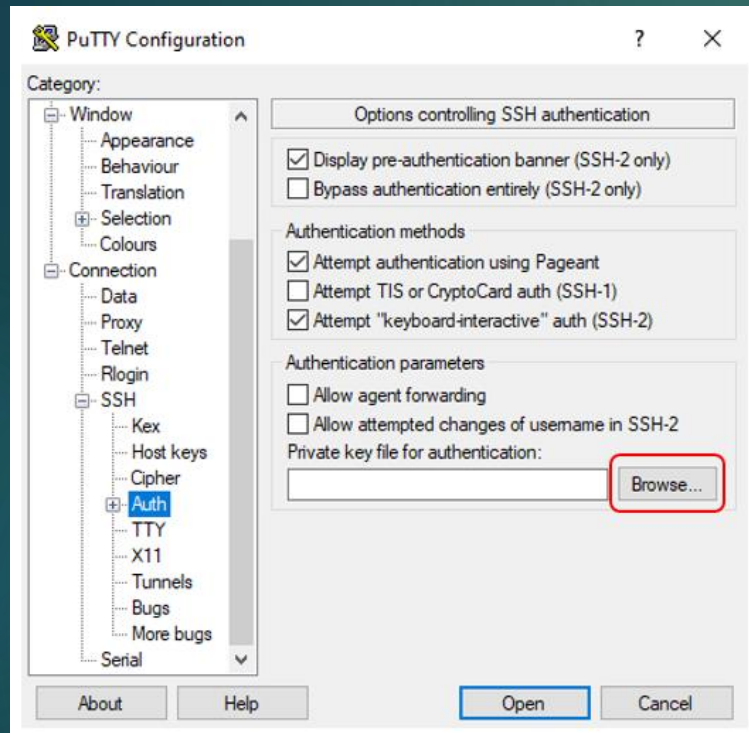


## 5



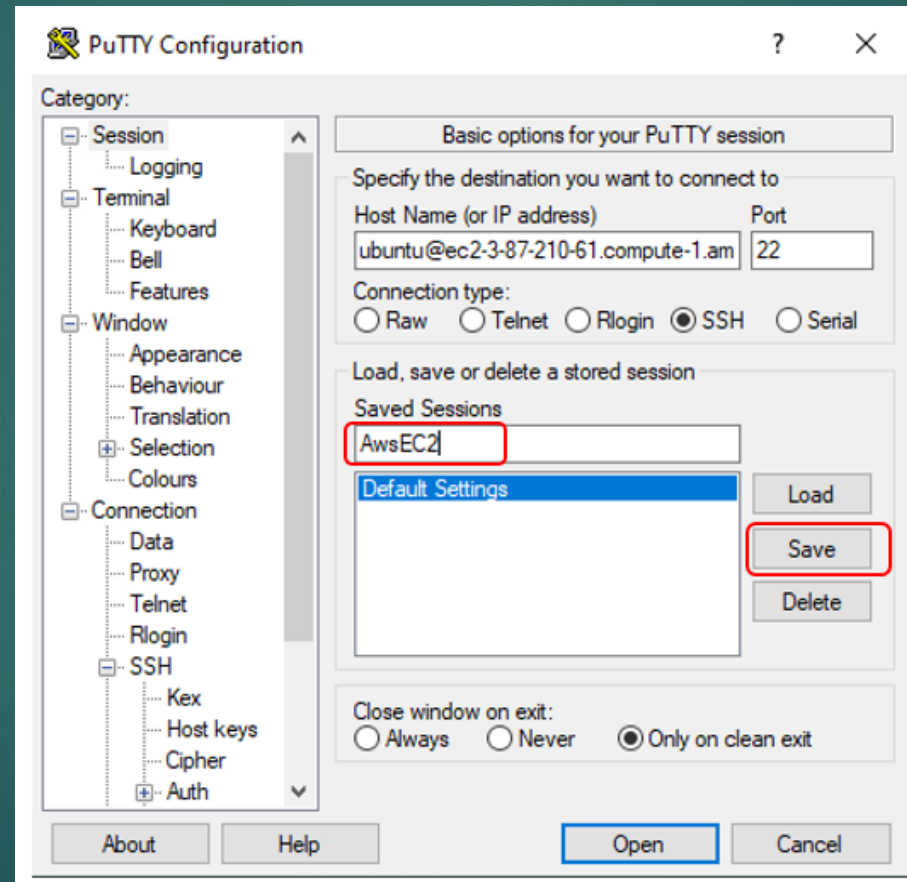
# Setup private key for authentication

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# Save Session

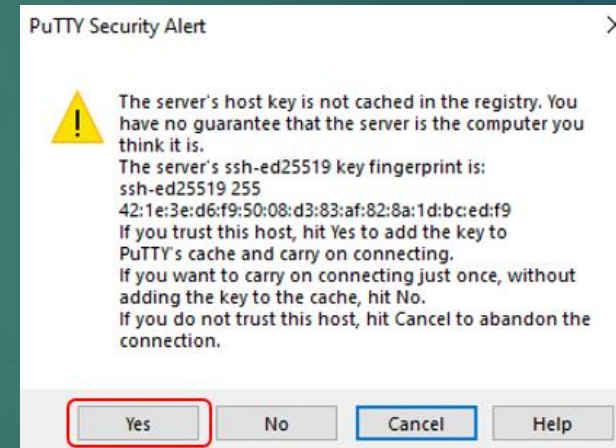
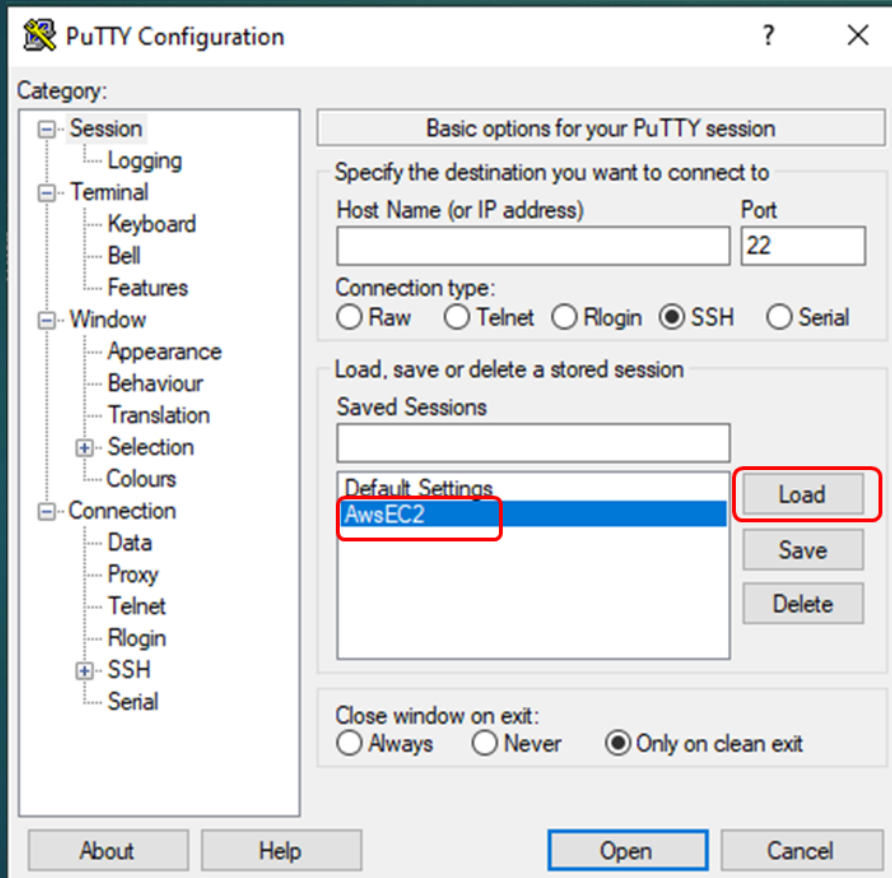
7





# Load Session and connect to EC2

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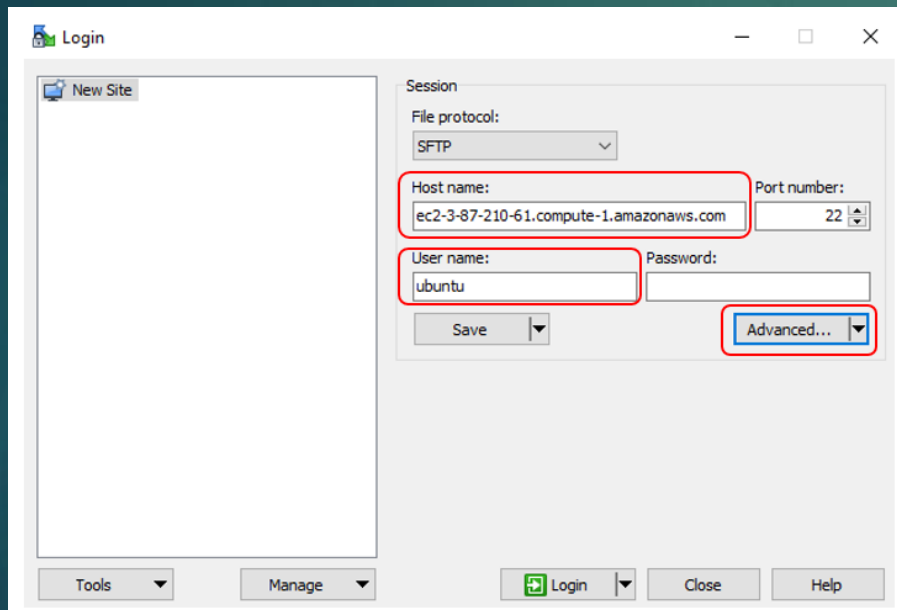




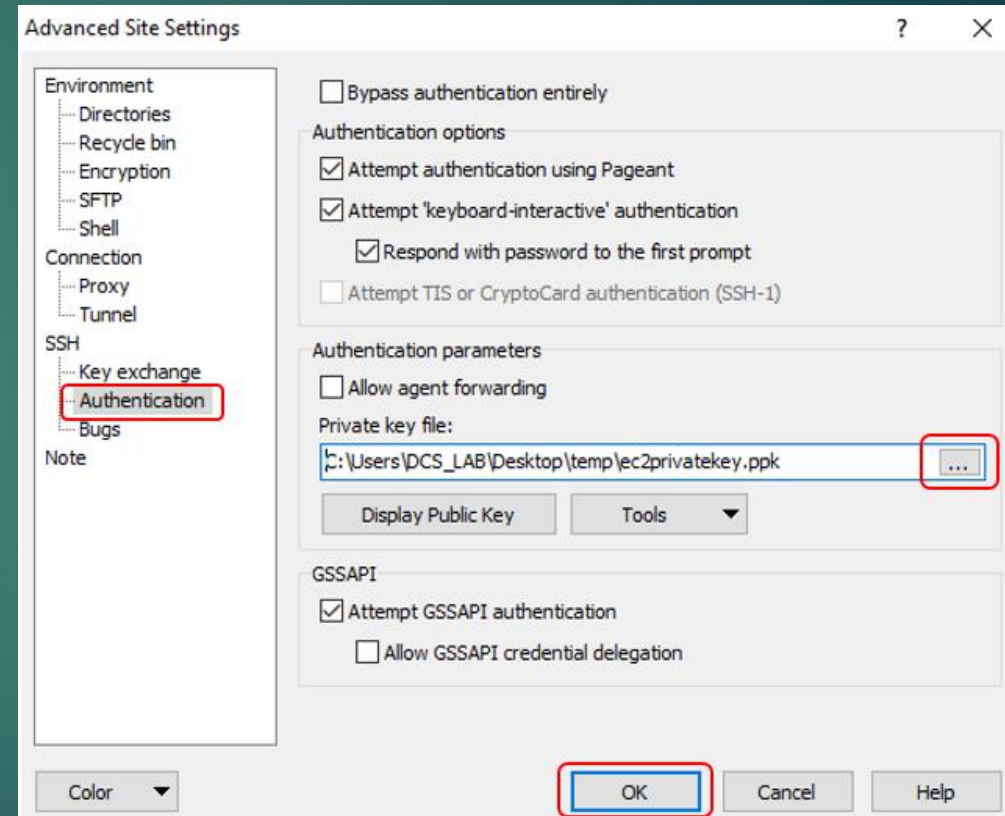
# WinSCP setup

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Hostname: Public DNS  
Username: ubuntu

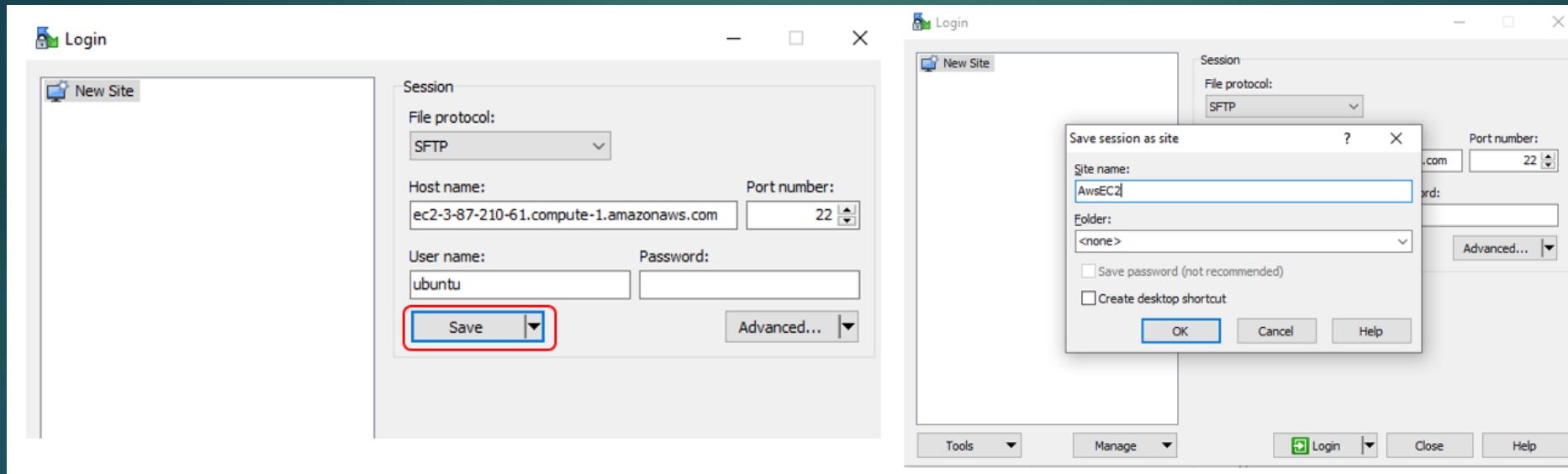


Setup Authentication with the private key



# Save Session

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# Transfer files

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The image shows the WinSCP application window titled "ubuntu - AwsEC2 - WinSCP". The interface is split into two panes. The left pane shows the local file system at "C:\Users\DCS\_LAB\Desktop\temp\" with three files: "..", "ec2keypair.pem" (2 KB, PEM File), and "ec2privatekey.ppk" (2 KB, PuTTY Private Key ...). The right pane shows the remote file system at "/home/ubuntu/" with a list of files and directories. The files include ".cache", ".gnupg", ".ssh", ".bash\_history", ".bash\_logout", ".bashrc", and ".profile". The ".profile" file is highlighted. Below the right pane, a red text overlay reads: "You can put you code here by dragging or copy/paste".

Name	Size	Changed	Rights	Owner
..		4/28/2020 5:02:56 PM	rw-r--r--	root
.cache		4/28/2020 7:28:25 PM	rw-r--r--	ubuntu
.gnupg		4/28/2020 7:28:24 PM	rw-r--r--	ubuntu
.ssh		4/28/2020 5:02:57 PM	rw-r--r--	ubuntu
.bash_history	1 KB	4/28/2020 7:33:00 PM	rw-r--r--	ubuntu
.bash_logout	1 KB	4/5/2018 2:30:26 AM	rw-r--r--	ubuntu
.bashrc	4 KB	4/5/2018 2:30:26 AM	rw-r--r--	ubuntu
.profile	1 KB	4/5/2018 2:30:26 AM	rw-r--r--	ubuntu