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Q) How To Access EC2 Instance in AWS, if .pem file is lost?

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1. Stop the ec2_instance (name it as main_ec2_instance)
2. Detach ebs root volume from main_ec2_instance
3. Create new ec2_instance (name it as helper_ec2) (choose new key pair and save .pem file)
4. Attach main_ec2_instance ebs root volume to helper_ec2 instance
5. Connect to helper_ec2_instance using mobaxterm with newly created .pem file
6. Execute below commands

```
# lsblk
# ls /mnt
# sudo mount -o nouuid /dev/xvdf1 /mnt
# cp /home/ec2-user/.ssh/authorized_keys /mnt/home/ec2-user/.ssh/authorized_keys
# sudo umount /mnt
```

7) Stop the helper_ec2 instance and detach the main_ec2_instance volume and attach it back to main_ec2_instance.

Note: Please use device name as /dev/xvda.

- 8) Start the main_ec2_instance and connect to it using newly created .pem file