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**How to install Ubuntu on AWS EC2 instance**

1. While in AWS Management Console. Click on **Services** and search for **EC2** Click on EC2 when it comes up.

Graphical user interface, application

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1. Click on **Launch instance** and select **Launch instance**

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1. Type a **Name**, click on **Ubuntu** and fill out the **Key pair.** Key Pair will download a key to your machine you will use this in step 7. (I left every other default setting).

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1. Select Ubuntu Server 20.04 LTS (HVM), SSD Volume Type
   1. Make sure Architecture is 64-bit (x86)
2. In Key Pair click on create a new key pair and give it a name.

A picture containing table

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Give the key a name and then hit **Create Key pair**

Graphical user interface, application, Teams

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This will download the .pem file to your machine.

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1. Scroll down to Network settings and hit **Edit**

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Click on Add security group rule.

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Click on Custom TCP, type in Port 3389, change source to Anywhere

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1. Click on **Launch instance**

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1. Click on the link to your instance

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1. You will see he instance while it builds. Wait for the Instance State is **Running**

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1. On the instance screen click on the instance then click on Connect

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1. In EC2 Instance Connect, change the user name to **root** and click on **Connect**

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1. The command prompt will open, lets change the root password
   1. Type in **sudo passwd** and enter in a password.
2. We will update your server by typing in **sudo apt-get update**.
3. Now lets install Ubuntu-Desktop to add a graphical interface to our install.
   1. Type in **sudo apt install ubuntu-desktop**
4. Now so we can RDP into this machine we need a dependency.
   1. Type **sudo apt install xrdp**
5. Lastly let’s check the status to make sure everything is running correctly.
   1. Type in **sudo systemctl status xrpd**
   2. You should see **active (running)**

A screenshot of a computer

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1. Now we need to add xrdp to our SSL certificate
   1. Type in **sudo adduser xrdp ssl-cert**
2. Now we have to allow our 3389 port to accept connection.
   1. Type in **sudo ufw allow 3389**.
3. Now to reload before we open it.
   1. Type in **sudo ufw reload**.
4. On the Instances portal, scroll to the right until you find **Public IPv4 address**. Copy address.

Graphical user interface, application

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1. On your windows machine click on the windows button and search for RDP
   1. Click on **show options** on the bottom and then click on display. Change display settings to be less than your current resolution. I chose 1920 X 1080.
   2. Click on **general** tab and then paste in the public IP of your EC2 instance.
   3. Hit Connect.

You should successfully connect to your new Ubuntu desktop install hosted on a AWS EC2 instance.

A picture containing graphical user interface

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