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Install and run RStudio server on AWS

1. Go to AWS Services
2. Select **EC2** from Compute section
3. Launch instance
4. Choose AMI:
   1. We choose **Amazon Linux AMI 2017.09.1 (HVM), SSD Volume Type** because it is free and stable for R (The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages)
5. Click on Select
6. Choose instance type:
   1. We choose a small one and general purpose, **t2.micro**, which is free
7. Click on Next: Configure Instance Details
8. Configure Instance:
   1. In the **Subnet** menu, we select the default Availability Zone
   2. We select Enable for **Auto-assign Public IP**
9. Expand the section Advanced Details
   1. Copy and paste the following script to install RStudio package and to set your own username and password:

#!/bin/bash

#install R

yum install -y R

#install RStudio-Server 1.0.153 (2017-07-20)

wget https://download2.rstudio.org/rstudio-server-rhel-1.0.153-x86\_64.rpm

yum install -y --nogpgcheck rstudio-server-rhel-1.0.153-x86\_64.rpm

rm rstudio-server-rhel-1.0.153-x86\_64.rpm

#add user(s)

useradd <my\_username>

echo <my\_username:my\_password> | chpasswd

Warning: don’t forget to replace <my\_username> with your own username and <my\_username:my\_password> with your own username and your own password

1. Click on Next: Add Storage
2. Keep the default values
3. Click on Next: Add Tags
4. Select Add Tag
   1. Key : Name
   2. Value: RStudio Server
5. Click on Next: Configure Security Group
6. Keep default rule:
   1. Type: SSH
   2. Protocol: TPC
   3. Port Range: 22
   4. Source : Anywhere
7. Select Add Rule:
   1. Type: Custom TPC Rule
   2. Protocol: TPC
   3. Port range: 8787 (for RStudio server)
   4. Source: Anywhere
8. Select Add Rule:
   1. Type: HTTP
   2. Protocol: TPC
   3. Port range: 80
   4. Source: Anywhere
9. Click on Review and Launch
10. Check your Instance details and scroll to the bottom of the page
11. Click on Launch
12. It will appear a pop-up **Select an existing key pair or create a new key pair**
    1. Choose an existing key pair
    2. Select a previous generated key pair
    3. Select the acknowledge check box
13. Click on Launch Instance
14. Go to **Putty**
15. In Session paste the **Public DNS** of the created Instance with the prefix ec2-user@
16. Expand SSH section and select Auth
    1. Browse the private key file for authentication and select the previous generated key
17. Click on Open
18. In a new Web Browser window paste the **Public DNS** followed by **:8787**
19. RStudio login page is opened
20. Enter the username and password
21. Enjoy your RStudio!

My Public DNS:

<http://ec2-52-212-61-215.eu-west1.compute.amazonaws.com:8787/>