

Overview

- Installing gcc
- Install HappyBase

Installing gcc

Make sure that you have run the **sudo yum update** command after logging into your EMR instance.

We then need to install **gcc**, for that run the below command.

```
yum install gcc
```

In most cases, gcc should get updated when you run the **sudo yum update** command in which case you will get the following screen.

```
[root@ip-172-31-36-143 HBase]# yum install gcc
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
10 packages excluded due to repository priority protections
Package gcc-7.3.1-13.amzn2.x86_64 already installed and latest version
Nothing to do
[root@ip-172-31-36-143 HBase]#
```

If it doesn't then simply Press y when prompted to and install gcc.

```
dependencies Resolved
=====
Package Arch Version Repository
=====
Updating:
gcc x86_64 4.8.5-39.el7 rhui-REGION-rhel-server-
Updating for dependencies:
gcc x86_64 4.8.5-39.el7 rhui-REGION-rhel-server-
libgcc x86_64 4.8.5-39.el7 rhui-REGION-rhel-server-
libgomp x86_64 4.8.5-39.el7 rhui-REGION-rhel-server-
Transaction Summary
=====
Upgrade 1 Package (+3 Dependent packages)

Total download size: 22 M
Is this ok [y/d/N]: Exiting on user command
Your transaction was saved, rerun it with:
yum load-transaction /tmp/yum_save_tx.2019-11-25.16-32.9veuHT.yumtx
root@ip-10-0-0-228 ~]#
```

Installing HappyBase package

Now before you can install happybase, you need to install the **python3-devel** package. Run the following command to do this. Press **y** when prompted on the screen.

```
sudo yum install python3-devel
```

```
Dependencies Resolved

=====
Package                                Arch                                Version
=====
Installing:
python3-devel                          x86_64                             3.7.10-1.a
Installing for dependencies:
dwz                                    x86_64                             0.11-3.amz
perl-srpm-macros                      noarch                             1-8.amzn2.
python-rpm-macros                    noarch                             3-60.amzn2
python-srpm-macros                  noarch                             3-60.amzn2
python3-rpm-macros                  noarch                             3-60.amzn2
system-rpm-config                    noarch                             9.1.0-76.a

Transaction Summary
=====
Install 1 Package (+6 Dependent packages)

Total download size: 469 k
Installed size: 1.1 M
Is this ok [y/d/N]: y
Downloading packages:
(1/7): perl-srpm-macros-1-8.amzn2.0.1.noarch.rpm
(2/7): dwz-0.11-3.amzn2.0.3.x86_64.rpm
(3/7): python-srpm-macros-3-60.amzn2.0.1.noarch.rpm
(4/7): python-rpm-macros-3-60.amzn2.0.1.noarch.rpm
(5/7): python3-rpm-macros-3-60.amzn2.0.1.noarch.rpm
(6/7): python3-devel-3.7.10-1.amzn2.0.1.x86_64.rpm
(7/7): system-rpm-config-9.1.0-76.amzn2.0.10.noarch.rpm
-----
```

Finally to install the HappyBase package run the following command.

```
pip install happybase
```

```
[root@ip-172-31-36-143 ~]# pip install happybase
WARNING: Running pip install with root privileges is generally not a good idea. Try 'pip3 install --user' instead.
Collecting happybase
  Using cached happybase-1.2.0.tar.gz (40 kB)
Requirement already satisfied: six in /usr/local/lib/python3.7/site-packages (from happybase) (1.13.0)
Collecting thriftpy2>=0.4
  Using cached thriftpy2-0.4.14.tar.gz (361 kB)
Requirement already satisfied: ply<4.0,>=3.4 in /usr/local/lib/python3.7/site-packages (from thriftpy2>=0.4->happybase) (3.11)
Using legacy 'setup.py install' for happybase, since package 'wheel' is not installed.
Using legacy 'setup.py install' for thriftpy2, since package 'wheel' is not installed.
Installing collected packages: thriftpy2, happybase
  Running setup.py install for thriftpy2 ... done
  Running setup.py install for happybase ... done
Successfully installed happybase-1.2.0 thriftpy2-0.4.14
[root@ip-172-31-36-143 ~]#
```