

Instalación de Python y el entorno virtual

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bani@bani-Aspire-4352: ~  
Preparando para desempaquetar .../python3-setuptools_20.7.0-1_all.deb ...  
Desempaquetando python3-setuptools (20.7.0-1) ...  
Seleccionando el paquete python3-wheel previamente no seleccionado.  
Preparando para desempaquetar .../python3-wheel_0.29.0-1_all.deb ...  
Desempaquetando python3-wheel (0.29.0-1) ...  
Procesando disparadores para doc-base (0.10.7) ...  
Procesando 1 archivo doc-base añadido...  
Procesando disparadores para man-db (2.7.5-1) ...  
Configurando libxpat1-dev:i386 (2.1.0-7ubuntu0.16.04.3) ...  
Configurando libpython3.5-dev:i386 (3.5.2-2ubuntu0-16.04.4) ...  
Configurando libpython3-dev:i386 (3.5.1-3) ...  
Configurando python-pip-whl (8.1.1-2ubuntu0.4) ...  
Configurando python3.5-dev (3.5.2-2ubuntu0-16.04.4) ...  
Configurando python3-dev (3.5.1-3) ...  
Configurando python3-pip (8.1.1-2ubuntu0.4) ...  
Configurando python3-setuptools (20.7.0-1) ...  
Configurando python3-wheel (0.29.0-1) ...  
bani@bani-Aspire-4352:~$ sudo apt-get install python3-virtual env  
Leyendo lista de paquetes... Hecho  
Creando árbol de dependencias  
Leyendo la información de estado... Hecho  
E: No se ha podido localizar el paquete python3-virtual  
E: No se ha podido localizar el paquete env  
bani@bani-Aspire-4352:~$ sudo apt-get install python3-virtualenv  
Leyendo lista de paquetes... Hecho  
Creando árbol de dependencias  
Leyendo la información de estado... Hecho  
El paquete indicado a continuación se instaló de forma automática y ya no es necesario.  
liblvm4.0  
Utilice «sudo apt autoremove» para eliminarlo.  
Se instalarán los siguientes paquetes NUEVOS:  
python3-virtualenv  
0 actualizados, 1 nuevos se instalarán, 0 para eliminar y 170 no actualizados.  
Se necesita descargar 43.2 kB de archivos.  
Se utilizarán 140 kB de espacio de disco adicional después de esta operación.  
Des:1 http://mx.archive.ubuntu.com/ubuntu xenial-updates/universe i386 python3-virtualenv all 15.0.1+ds-3ubuntu1 [43.2 kB]  
Descargados 43.2 kB en 1s (38.2 kB/s)  
Seleccionando el paquete python3-virtualenv previamente no seleccionado.  
(Leyendo la base de datos ... 218371 ficheros o directorios instalados actualmente.)  
Preparando para desempaquetar .../python3-virtualenv_15.0.1+ds-3ubuntu1_all.deb ...  
Desempaquetando python3-virtualenv (15.0.1+ds-3ubuntu1) ...  
Configurando python3-virtualenv (15.0.1+ds-3ubuntu1) ...  
bani@bani-Aspire-4352:~$
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bani@bani-Aspire-4352: ~  
bani@bani-Aspire-4352:~$ python3  
Python 3.5.2 (default, Nov 23 2017, 16:37:01)  
[GCC 5.4.0 20160609] on linux  
Type "help", "copyright", "credits" or "license" for more information.  
>>>  
[1]+ Detenido python3  
bani@bani-Aspire-4352:~$ pip3  
El programa «pip3» no está instalado. Puede instalarlo escribiendo:  
sudo apt install python3-pip  
bani@bani-Aspire-4352:~$ sudo apt-get install python3-pip  
[sudo] password for bani:  
Leyendo lista de paquetes... Hecho  
Creando árbol de dependencias  
Leyendo la información de estado... Hecho  
El paquete indicado a continuación se instaló de forma automática y ya no es necesario.  
liblvm4.0  
Utilice «sudo apt autoremove» para eliminarlo.  
Se instalarán los siguientes paquetes adicionales:  
libxpat1-dev libpython3-dev libpython3.5-dev python-pip-whl python3-dev  
python3-setuptools python3-wheel python3.5-dev  
Paquetes sugeridos:  
python-setuptools-doc  
Se instalarán los siguientes paquetes NUEVOS:  
libxpat1-dev libpython3-dev libpython3.5-dev python-pip-whl python3-dev  
python3-pip python3-setuptools python3-wheel python3.5-dev  
0 actualizados, 9 nuevos se instalarán, 0 para eliminar y 170 no actualizados.  
Se necesita descargar 39.0 MB de archivos.  
Se utilizarán 53.2 MB de espacio de disco adicional después de esta operación.  
¿Desea continuar? [S/n] s  
Des:1 http://mx.archive.ubuntu.com/ubuntu xenial-updates/main i386 libxpat1-dev i386 2.1.0-7ubuntu0.16.04.3 [116 kB]  
Des:2 http://mx.archive.ubuntu.com/ubuntu xenial-updates/main i386 libpython3.5-dev i386 3.5.2-2ubuntu0-16.04.4 [37.1 MB]  
Des:3 http://mx.archive.ubuntu.com/ubuntu xenial/main i386 libpython3-dev i386 3.5.1-3 [6 968 B]  
Des:4 http://mx.archive.ubuntu.com/ubuntu xenial-updates/universe i386 python-pip-whl all 8.1.1-2ubuntu0.4 [1 110 kB]  
Des:5 http://mx.archive.ubuntu.com/ubuntu xenial-updates/main i386 python3.5-dev i386 3.5.2-2ubuntu0-16.04.4 [413 kB]  
Des:6 http://mx.archive.ubuntu.com/ubuntu xenial/main i386 python3-dev i386 3.5.1-3 [1 198 B]  
Des:7 http://mx.archive.ubuntu.com/ubuntu xenial-updates/universe i386 python3-pip all 8.1.1-2ubuntu0.4 [109 kB]  
Des:8 http://mx.archive.ubuntu.com/ubuntu xenial/main i386 python3-setuptools all 20.7.0-1 [88.0 kB]  
Des:9 http://mx.archive.ubuntu.com/ubuntu xenial/universe i386 python3-wheel all 0.29.0-1 [48.1 kB]  
Descargados 39.0 MB en 59s (653 kB/s)  
Seleccionando el paquete libxpat1-dev:i386 previamente no seleccionado.  
(Leyendo la base de datos ... 217977 ficheros o directorios instalados actualmente.)  
Preparando para desempaquetar .../libxpat1-dev_2.1.0-7ubuntu0.16.04.3_i386.deb ...  
Desempaquetando libxpat1-dev:i386 (2.1.0-7ubuntu0.16.04.3) ...
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bani@bani-Aspire-4352: ~  
show Show information about installed packages.  
search Search PyPI for packages.  
wheel Build wheels from your requirements.  
hash Compute hashes of package archives.  
completion A helper command used for command completion  
help Show help for commands.  
  
General Options:  
-h, --help Show help.  
--isolated Run pip in an isolated mode, ignoring environment variables and user configuration.  
-v, --verbose Give more output. Option is additive, and can be used up to 3 times.  
-V, --version Show version and exit.  
-q, --quiet Give less output.  
--log <path> Path to a verbose appending log.  
--proxy <proxy> Specify a proxy in the form [user:passwd@]proxy.server:port.  
--retries <retries> Maximum number of retries each connection should attempt (default 5 times).  
--timeout <sec> Set the socket timeout (default 15 seconds).  
--exists-action <action> Default action when a path already exists: (s)witch, (i)gnore, (w)ipe, (b)ackup.  
--trusted-host <hostname> Mark this host as trusted, even though it does not have valid or any HTTPS.  
--cert <path> Path to alternate CA bundle.  
--client-cert <path> Path to SSL client certificate, a single file containing the private key and the certificate in PEM format.  
--cache-dir <dir> Store the cache data in <dir>.  
--no-cache-dir Disable the cache.  
--disable-pip-version-check Don't periodically check PyPI to determine whether a new version of pip is available for download. Implied with  
--no-index.  
bani@bani-Aspire-4352:~$ pip3 install virtualenv  
Collecting virtualenv  
  Downloading https://files.pythonhosted.org/packages/b6/30/96a02b2287098b23b875bc8c2f58071c35d2efe84f747b64d523721dc2b5/virtualenv-16.0.0-py2.py3-none-any.whl (1.9MB)  
    100% |#####| 1.9MB 233kB/s  
Installing collected packages: virtualenv  
Successfully installed virtualenv-15.0.1  
You are using pip version 8.1.1, however version 18.0 is available.  
You should consider upgrading via the 'pip install --upgrade pip' command.  
bani@bani-Aspire-4352:~$ pip3 install --upgrade pip  
Collecting pip  
  Downloading https://files.pythonhosted.org/packages/5f/25/e52d3f31441505a5f3af41213346e5b6c221c9e086a166f3703d2ddaf940/pip-18.0-py2.py3-none-any.whl (1.3MB)  
    100% |#####| 1.3MB 322kB/s  
Installing collected packages: pip  
Successfully installed pip-18.0  
bani@bani-Aspire-4352:~$
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bani@bani-Aspire-4352: ~  
--unzip-setuptools Unzip Setuptools when installing it.  
--relocatable Make an EXISTING virtualenv environment relocatable.  
This fixes up scripts and makes all .pth files relative.  
--no-setuptools Do not install setuptools in the new virtualenv.  
--no-pip Do not install pip in the new virtualenv.  
--no-wheel Do not install wheel in the new virtualenv.  
--extra-search-dir=DIR Directory to look for setuptools/pip distributions in.  
This option can be used multiple times.  
--download Download preinstalled packages from PyPI.  
--no-download, --never-download Do not download preinstalled packages from PyPI.  
--prompt=PROMPT Provides an alternative prompt prefix for this environment.  
--setuptools DEPRECATED. Retained only for backward compatibility.  
This option has no effect.  
--distribute DEPRECATED. Retained only for backward compatibility.  
This option has no effect.  
bani@bani-Aspire-4352:~$ virtualenv -p python3 venv  
Already using interpreter /usr/bin/python3  
Using base prefix '/usr'  
New python executable in /home/bani/venv/bin/python3  
Also creating executable in /home/bani/venv/bin/python  
Installing setuptools, pkg_resources, pip, wheel...  
done.  
bani@bani-Aspire-4352:~$  
bani@bani-Aspire-4352:~$ source venv/bin/activate  
(venv) bani@bani-Aspire-4352:~$ pip3 install django  
Collecting django  
  Downloading https://files.pythonhosted.org/packages/51/1a/e0ac7886c7123a03814178d7517dc822af0fe51a72e1a6bffa26153103322/Django-2.1-py3-none-any.whl (7.3MB)  
    100% |#####| 7.3MB 696kB/s  
Collecting pytz (from django)  
  Downloading https://files.pythonhosted.org/packages/30/4e/27c34b62430286c6d59177a0842ed90dc789ce5d1ed740887653b898779a/pytz-2018.5-py2.py3-none-any.whl (510kB)  
    100% |#####| 512kB 868kB/s  
Installing collected packages: pytz, django  
Successfully installed django-2.1 pytz-2018.5  
(venv) bani@bani-Aspire-4352:~$ pip3 freeze  
Django==2.1  
pkg-resources==0.0.0  
pytz==2018.5
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