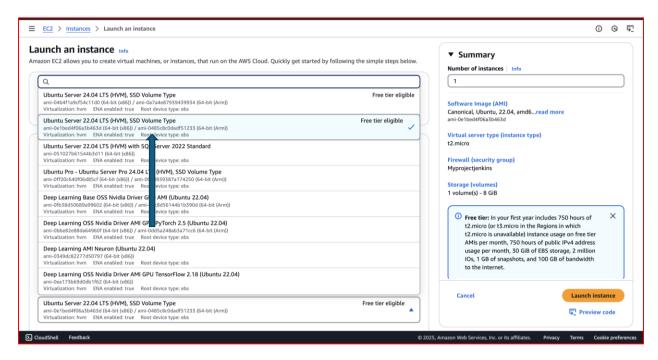
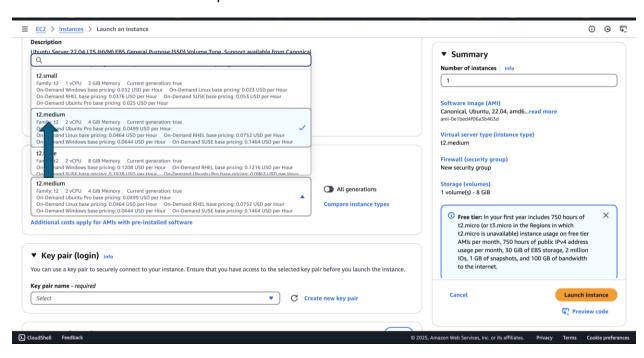
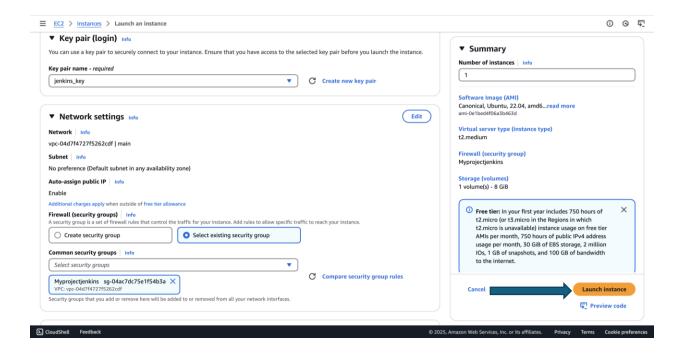
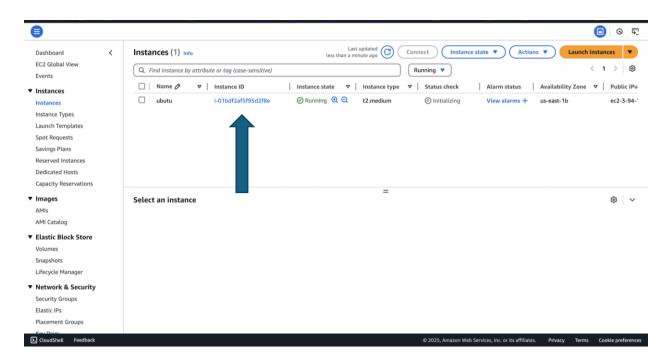
Installation of DOB in AWS Ubuntu 22.4

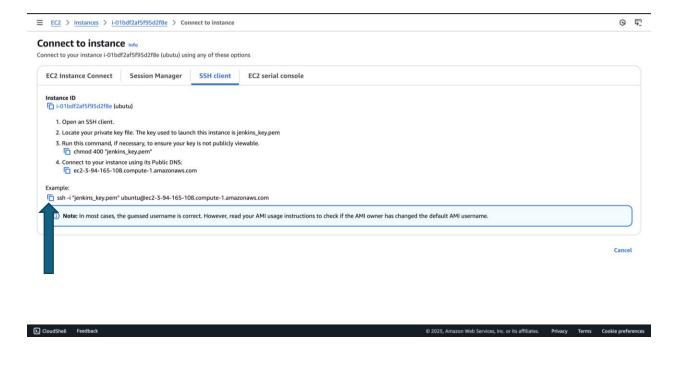


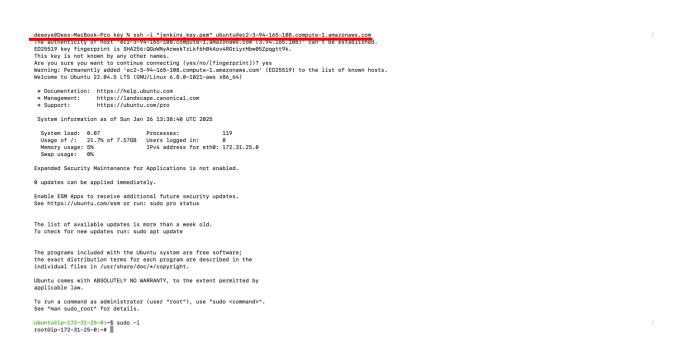
instance size t2 medium is required







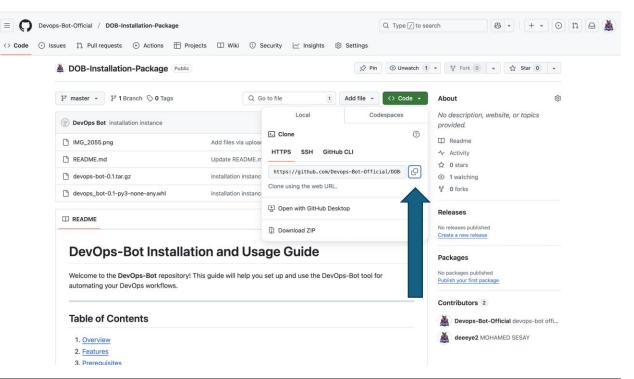




Run the command app-get update to update the system for the latest packages

```
root@ip-172-31-25-0:~# apt install python3-pip
 Reading package lists... Done
 Building dependency tree... Done
 Reading state information... Done
 The following additional packages will be installed:
   build-essential bzip2 cpp cpp-11 dpkg-dev fakeroot fontconfig-config fonts-dejavu-core g++ g++-11 gcc gcc-11 gcc-11-base
   javascript-common libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libasanó libatomic1 libc-dev-bin
   libc-devtools libc6-dev libcc1-0 libcrypt-dev libdeflate0 libdpkg-perl libexpat1-dev libfakeroot libfile-fcntllock-perl libfontconfig1 libgcc-11-dev libgd3 libgomp1 libis123 libitm1 libjbig0 libjpeg-turbo8 libjpeg8 libjs-jquery libjs-sphinxdoc
   libjs-underscore liblsan0 libmpc3 libns1-dev libpython3-dev libpython3.10 libpython3.10-dev libpython3.10-minimal libpython3.10-stdlib libquadmath0 libstdc++-11-dev libtiff5 libtirpc-dev libtsan0 libubsan1 libwebp7 libxpm4 linux-libc-dev
   lto-disabled-list make manpages-dev python3-dev python3-wheel python3.10 python3.10-dev python3.10-minimal rpcsvc-proto zlib1g-dev
 Suggested packages:
   bzip2-doc cpp-doc gcc-11-locales debian-keyring g++-multilib g++-11-multilib gcc-11-doc gcc-multilib autoconf automake libtool flex
   bison gdb gcc-doc gcc-11-multilib apache2 | lighttpd | httpd glibc-doc bzr libgd-tools libstdc++-11-doc make-doc python3.10-venv
   pvthon3.10-doc binfmt-support
      following NEW packages will be installed:
   build-essential bzip2 cpp cpp-11 dpkg-dev fakeroot fontconfig-config fonts-dejavu-core g++ g++-11 gcc gcc-11 gcc gcc-11-base javascript-common libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan6 libatomic1 libc-dev-bin
   libc-devtools libc6-dev libcc1-0 libcrypt-dev libdeflate0 libdyg-perl libexpat1-dev libfakeroot libfile-fcntllock-perl libfontconfig1 libgcc-11-dev libgd3 libgomp1 libisl23 libitm1 libjbig0 libjpeg-turbo8 libjpeg8 libjs-jquery libjs-sphinxdoc libjs-underscore liblsan0 libmpc3 libnsl-dev libpython3-dev libpython3.10-dev libquadmath0 libstdc++-11-dev libtiff5 libtirpc-dev
   libtsan@ libubsan1 libwebp7 libxpm4 linux-libc-dev lto-disabled-list make manpages-dev python3-dev python3-pip python3-wheel
   python3.10-dev rpcsvc-proto zlib1g-dev
 The following packages will be upgraded:
   libpython3.10 libpython3.10-minimal libpython3.10-stdlib python3.10 python3.10-minimal
 5 upgraded, 64 newly installed, 0 to remove and 15 not upgraded.
Need to get 78.7 MB of archives.
After this operation, 239 MB of_additional disk space will be used.
Do you want to continue? [Y/n]
```

```
root@ip-172-31-25-0:~# apt install git
 Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb git-cvs git-mediawiki git-svn
The following packages will be upgraded:
1 upgraded. 0 newly installed, 0 to remove and 14 not upgraded.
Need to get 3165 kB of archives.
After this operation, 4096 B of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git amd64 1:2.34.1-1ubuntu1.12 [3165 kB]
Fetched 3165 kB in 0s (19.0 MB/s)
(Reading database ... 72639 files and directories currently installed.)
Preparing to unpack .../git 1%3a2.34.1-1ubuntu1.12 amd64.deb ...
Unpacking git (1:2.34.1-1ubuntu1.12) over (1:2.34.1-1ubuntu1.11) ...
Setting up git (1:2.34.1-1ubuntu1.12) ...
Scanning processes...
Scanning candidates...
Scanning linux images...
Running kernel seems to be up-to-date.
Restarting services...
Service restarts being deferred:
 systemctl restart networkd-dispatcher.service
 systemctl restart unattended-upgrades.service
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-25-0:~#
```



```
root@ip-172-31-25-0:~# git clone https://github.com/Devops-Bot-Official/DOB-Installation-Package.git
Cloning into 'DOB-Installation-Package'...
remote: Enumerating objects: 593, done.
remote: Counting objects: 100% (103/103), done.
remote: Compressing objects: 100% (92/92), done.
remote: Total 593 (delta 48), reused 33 (delta 11), pack-reused 490 (from 2)
Receiving objects: 100% (593/593), 94.79 MiB | 69.88 MiB/s, done.
Resolving deltas: 100% (257/257), done.
root@ip-172-31-25-0:~# cd DOB-Installation-Package
root@ip-172-31-25-0:~# cd DOB-Installation-Package
rroot@ip-172-31-25-0:~# cd DOB-Installation-Package# ls

IMG_2055.png README.md devops-bot-0.1.tar.gz devops_bot-0.1-py3-none-any.whl
root@ip-172-31-25-0:~/DOB-Installation-Package# |
```

```
root@ip-172-31-<u>25-0:~/DOB-Installation-</u>Package# pip install devops_bot-0.1-py3-none-any.whl
Processing ./devops_bot-0.1-py3-none-any.whl
Collecting azure-mgmt-sql==3.0.1
 Downloading azure_mgmt_sql-3.0.1-py2.py3-none-any.whl (912 kB)
Collecting google-cloud-logging==3.5.0
 Downloading google_cloud_logging-3.5.0-py2.py3-none-any.whl (195 kB)
                                              195.8/195.8 KB 10.5 MB/s eta 0:00:00
 Downloading requests-2.31.0-py3-none-any.whl (62 kB)
                                              62.6/62.6 KB 7.7 MB/s eta 0:00:00
Collecting azure-core==1.31.0
 Downloading azure core-1.31.0-pv3-none-anv.whl (197 kB)
                                              197.4/197.4 KB 15.2 MB/s eta 0:00:00
Collecting azure-mgmt-cosmosdb==7.0.0
 Downloading azure_mgmt_cosmosdb-7.0.0-py3-none-any.whl (308 kB)
                                             308.7/308.7 KB 6.9 MB/s eta 0:00:00
Collecting google-cloud-dns==0.35.0
 Downloading google_cloud_dns-0.35.0-py2.py3-none-any.whl (18 kB)
Collecting cryptography==41.0.0
 Downloading cryptography-41.0.0-cp37-abi3-manylinux_2_28_x86_64.whl (4.3 MB)
Collecting google-cloud-storage==2.10.0
 Downloading google_cloud_storage-2.10.0-py2.py3-none-any.whl (114 kB)
                                               14.6/114.6 KB 19.0 MB/s eta 0:00:00
Collecting paramiko==2.11.0
 Downloading paramiko-2.11.0-py2.py3-none-any.whl (212 kB)
                                             - 212.9/212.9 KB 27.1 MB/s eta 0:00:00
Collecting tabulate==0.8.10
 Downloading tabulate-0.8.10-py3-none-any.whl (29 kB)
Collecting Flask-Login==0.5.0
 Downloading Flask_Login-0.5.0-py2.py3-none-any.whl (16 kB)
Collecting boto3==1.28.0
 Downloading boto3-1.28.0-py3-none-any.whl (135 kB)
                                              135.7/135.7 KB 3.4 MB/s eta 0:00:00
Collecting PvYAML==6.0
 Downloading PyYAML-6.0-cp310-cp310-manylinux_2_5_x86_64.manylinux1_x86_64.manylinux_2_12_x86_64.manylinux2010_x86_64.whl (682 kB)
                                              682.2/682.2 KB 16.6 MB/s eta 0:00:0
Collecting azure-mgmt-dns==8.1.0
 Downloading azure_mgmt_dns-8.1.0-py3-none-any.whl (205 kB)
```

```
-cosmosdb, azure-mgmt-containerinstance, azure-mgmt-compute, aiohttp-retry, twilio, msal-extensions, google-cloud-logging, azure-identit
 v. devons-bot
   Attempting uninstall: PyYAML
   Found existing installation: PyYAML 5.4.1
Not uninstalling pyyaml at /usr/lib/python3/dist-packages, outside environment /usr
Can't uninstall 'PyYAML'. No files were found to uninstall.
Attempting uninstall: click
      Found existing installation: click 8.0.3
      Not uninstall \dot{\bar{l}} ng click at /usr/lib/python3/dist-packages, outside environment /usr Can't uninstall 'click'. No files were found to uninstall.
   Attempting uninstall: requests
Found existing installation: requests 2.25.1
      Not uninstalling requests at /usr/lib/python3/dist-packages, outside environment /usr
Can't uninstall 'requests'. No files were found to uninstall.
   Attempting uninstall: cryptography
      Found existing installation: cryptography 3.4.8
      Not uninstalling cryptography at /usr/lib/python3/dist-packages, outside environment /usr
Can't uninstall 'cryptography'. No files were found to uninstall.
   Attempting uninstall: pvOpenSSL
       Found existing installation: pyOpenSSL 21.0.0
      Not uninstalling pyopenssl at /usr/lib/python3/dist-packages, outside environment /usr Can't uninstall 'pyOpenSSL'. No files were found to uninstall.
Successfully installed Flask-2.0.3 Flask-Cors-3.0.10 Flask-Login-0.5.0 PyYAML-6.0 Werkzeug-2.0.3 aiohappyeyeballs-2.4.4 aiohttp-3.11.11
aiohttp-retry-2.9.1 aiosignal-1.3.2 async-timeout-5.0.1 azure-common-1.1.28 azure-core-1.31.0 azure-identity-1.13.0 azure-mgmt-compute-2
8.0.0 azure-mgmt-containerinstance-9.0.0 azure-mgmt-core-1.5.0 azure-mgmt-cosmosdb-7.0.0 azure-mgmt-datafactory-9.1.0 azure-mgmt-dns-8.1
.0 azure-mgmt-keyvault-10.2.0 azure-mgmt-network-25.0.0 azure-mgmt-resource-23.0.0 azure-mgmt-sql-3.0.1 azure-mgmt-storage-21.2.1 boto3-1.28.0 botocore-1.31.85 cachetools-5.5.1 cffi-1.17.1 charset-normalizer-3.4.1 click-8.1.8 croniter-1.0.15 cryptography-41.0.0 devops-bot
-0.1 flask-bcrypt-0.7.1 frozenlist-1.5.0 google-api-core-2.24.0 google-api-python-client-2.70.0 google-auth-2.22.0 google-auth-httplib2-
0.1.0 google-auth-oauthlib-1.0.0 google-cloud-appengine-logging-1.5.0 google-cloud-audit-log-0.3.0 google-cloud-bigquery-3.10.0 google-c
loud-compute-1.10.0 google-cloud-core-2.4.1 google-cloud-appengine-logging-1.3.0 google-cloud-audit-log-0.3.0 google-cloud-inm-2.11.0 google-cloud-inm-2.11.0 google-cloud-inm-2.11.0 google-cloud-inm-2.11.0 google-cloud-km s-2.15.0 google-cloud-logging-3.5.0 google-cloud-pubsub-2.17.0 google-cloud-scheduler-2.12.0 google-cloud-storage-2.10.0 google-cro32c-1
6.0 google-resumable-media-2.7.2 googleapis-common-protos-1.66.0 grpc-google-inm-v1-0.14.0 grpcio-1.70.0 grpcio-status-1.48.2 importlib
-resources-5.13.0 isodate-0.7.2 itsdangerous-2.0.1 jmespath-1.0.1 kubernetes-26.1.0 msal-1.31.1 msal-extensions-1.2.0 msrest-0.7.1 multi
dict-6.1.0 paramiko-2.11.0 portalocker-2.10.1 propocache-0.2.1 proto-plus-1.25.0 protobuf-3.20.3 psutil-5.9.0 pyOpenSSL-23.2.0 pycparser-
2.22 pynacl-1.5.0 python-dateutil-2.9.0.post0 requests-2.31.0 requests-oauthlib-2.0.0 rsa-4.9 s3transfer-0.6.2 tabulate-0.8.10 twilio-8.
3.0 typing-extensions-4.12.2 uritemplate-4.1.1 websocket-client-1.8.0 yarl-1.18.3
                                      s the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It i
virtual environment instead: https://pip.pypa.io/warnings/venv
 WARNING: Running pip as the
root@ip-172-31-25-0:~/DOB-Installation-Package#
```

run the command dob --help to check if the installation is successful it's not

```
root@ip-172-31-25-0:~/DOB-Installation-Package# dob --help
New encryption key created and saved to /etc/devops-bot/enc_key.key Usage: dob [OPTIONS] COMMAND [ARGS]...
  --v, --version Show version of the devops-bot tool.
  --debug
                    Enable debug mode to show full error tracebacks. Show this message and \ensuremath{\mathsf{exit}} .
  --help
Commands:
  activation
                               Activate context for Kubernetes or Docker...
                               Execute Ansible command on a remote server
Commands related to Ansible configuration and...
  ans
  ansible
  artifactory
                                Execute Artifactory commands
  aws
                               Commands to manage AWS resources.
Execute AWS CLI commands
  aws_cli
                                Commands to manage Azure resources.
  azure
  brood
                               Manage DevOps bot files.
  check-nodes
                                Check if the DevOps bot can connect to the node.
                                Execute Chef commands
  chef
  consul
                                Execute Consul commands
  decrypt
                               Decrypt an encrypted value with salt and...
Commands related to DevOps Kubernetes Services...
  dks
                                DevOps Bot Proxy configuration commands.
  dobp
                                Execute docker command on a remote server
  docswarm
                                Execute Docker Swarm commands
  edit-execution
                                Edit an entire execution state
                                Encrypt a sensitive value with salt and output...
  encrypt
                                Commands to manage GCP resources.
  gcp
  generate-token
                               Generate a token for a user.
Generate a new webhook secret key.
  generate-webhook-secret
  gitlab
                                Execute GitLab commands
  infracrid
                               Manage encrypted infra credentials.
  infracycle
                               Commands related to build and deployment...
  infraset
                                Commands related to infraset configurations...
                                Execute Istio commands
  istio
  jenkins
                                Commands to manage Jenkins server.
  kub
                                Execute kubectl command on a remote server
  kubect1
                                Commands to manage k8s server.
  kustomize
                                Execute Kustomize commands
  list-executions
                                List all stored execution IDs or details of a...
  packer
                                Execute Packer commands
```