

# Deploy Spring Boot Application to the Azure Kubernetes Service

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root@anushaapplication:~#  
login as: anusha954  
anusha954@20.11.69.93's password:  
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1013-azure x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/pro  
  
System information as of Sun Aug 25 01:52:45 UTC 2024  
  
System load:  0.24      Processes:    139  
Usage of /:   8.7% of 60.95GB   Users logged in: 0  
Memory usage: 5%      IPv4 address for eth0: 10.3.0.4  
Swap usage:   0%  
  
* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s  
  just raised the bar for easy, resilient and secure K8s cluster deployment.  
  
  https://ubuntu.com/engage/secure-kubernetes-at-the-edge  
  
Expanded Security Maintenance for Applications is not enabled.  
  
10 updates can be applied immediately.  
To see these additional updates run: apt list --upgradable  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
Last login: Fri Aug 23 14:27:28 2024 from 60.243.121.59  
anusha954@anushaapplication:~$ sudo apt-get update  
Hit:1 http://azure.archive.ubuntu.com/ubuntu noble InRelease  
Get:2 http://azure.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]  
Hit:3 http://azure.archive.ubuntu.com/ubuntu noble-backports InRelease  
Hit:4 http://azure.archive.ubuntu.com/ubuntu noble-security InRelease  
Hit:5 https://download.docker.com/linux/ubuntu noble InRelease  
Get:6 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [463 kB]  
Hit:7 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble InRelease  
Get:8 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [7192 B]  
Show desktop
```

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root@anushaapplication:~#  
Get:8 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [7192 B]  
Get:9 http://azure.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [337 kB]  
Fetched 934 kB in 1s (1135 kB/s)  
Reading package lists... Done  
anusha954@anushaapplication:~$ sudo apt-get install ca-certificates curl  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
ca-certificates is already the newest version (20240203).  
The following additional packages will be installed:  
  libcurl3t64-gnutls libcurl4t64  
The following packages will be upgraded:  
  curl libcurl3t64-gnutls libcurl4t64  
3 upgraded, 0 newly installed, 0 to remove and 61 not upgraded.  
Need to get 900 kB of archives.  
After this operation, 3072 B of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 curl amd64 8.5.0-2ubuntu10.3 [227 kB]  
Get:2 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 libcurl4t64 amd64 8.5.0-2ubuntu10.3 [341 kB]  
Get:3 http://azure.archive.ubuntu.com/ubuntu noble-updates/main amd64 libcurl3t64-gnutls amd64 8.5.0-2ubuntu10.3 [333 kB]  
Fetched 900 kB in 0s (19.7 MB/s)  
(Reading database ... 111943 files and directories currently installed.)  
Preparing to unpack .../curl 8.5.0-2ubuntu10.3 amd64.deb ...  
Unpacking curl (8.5.0-2ubuntu10.3) over (8.5.0-2ubuntu10.2) ...  
Preparing to unpack .../libcurl4t64 8.5.0-2ubuntu10.3 amd64.deb ...  
Unpacking libcurl4t64:amd64 (8.5.0-2ubuntu10.3) over (8.5.0-2ubuntu10.2) ...  
Preparing to unpack .../libcurl3t64-gnutls 8.5.0-2ubuntu10.3 amd64.deb ...  
Unpacking libcurl3t64-gnutls:amd64 (8.5.0-2ubuntu10.3) over (8.5.0-2ubuntu10.2) ...  
Setting up libcurl4t64:amd64 (8.5.0-2ubuntu10.3) ...  
Setting up libcurl3t64-gnutls:amd64 (8.5.0-2ubuntu10.3) ...  
Setting up curl (8.5.0-2ubuntu10.3) ...  
Processing triggers for man-db (2.12.0-4build2) ...  
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...  
Scanning processes...  
Scanning candidates...  
Scanning linux images...  
  
Running kernel seems to be up-to-date.
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root@anushaapplication:~  
  
Restarting services...  
systemctl restart fwupd.service packagekit.service rsyslog.servic  
e ssh.service walinuagent.service  
  
Service restarts being deferred:  
/etc/needrestart/restart.d/dbus.service  
systemctl restart docker.service  
  
No containers need to be restarted.  
  
User sessions running outdated binaries:  
anusha954 @ session #1: sshd[1467]  
anusha954 @ user manager service: systemd[1471]  
anusha954@anushaapplication:~$ sudo install -m 0755 -d /etc/apt/keyrings  
anusha954@anushaapplication:~$ sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc  
anusha954@anushaapplication:~$ sudo chmod a+r /etc/apt/keyrings/docker.asc  
anusha954@anushaapplication:~$ echo \  
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \  
$(. /etc/os-release && echo "$VERSION_CODENAME") stable" | \  
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null  
anusha954@anushaapplication:~$ sudo apt-get update  
Hit:1 https://download.docker.com/linux/ubuntu noble InRelease  
Hit:2 https://packages.microsoft.com/repos/microsoft-ubuntu-noble-prod noble InRelease  
Hit:3 http://azure.archive.ubuntu.com/ubuntu noble InRelease  
Hit:4 http://azure.archive.ubuntu.com/ubuntu noble-updates InRelease  
Hit:5 http://azure.archive.ubuntu.com/ubuntu noble-backports InRelease  
Hit:6 http://azure.archive.ubuntu.com/ubuntu noble-security InRelease  
Reading package lists... Done  
anusha954@anushaapplication:~$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
docker-ce is already the newest version (5:27.1.2-1-ubuntu.24.04~noble).  
docker-ce-cli is already the newest version (5:27.1.2-1-ubuntu.24.04~noble).  
containerd.io is already the newest version (1.7.20-1).  
docker-buildx-plugin is already the newest version (0.16.2-1-ubuntu.24.04~noble).  
docker-compose-plugin is already the newest version (2.29.1-1-ubuntu.24.04~noble).  
0 upgraded, 0 newly installed, 0 to remove and 61 not upgraded.
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sudo tee /etc/apt/sources.list.d/docker.list > /dev/null  
anusha954@anushaapplication:~$ sudo apt-get update  
Hit:1 https://download.docker.com/linux/ubuntu noble InRelease  
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docker-compose-plugin is already the newest version (2.29.1-1-ubuntu.24.04~noble).  
0 upgraded, 0 newly installed, 0 to remove and 61 not upgraded.  
anusha954@anushaapplication:~$ apt install -y git  
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)  
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?  
anusha954@anushaapplication:~$ apt install -y maven  
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)  
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?  
anusha954@anushaapplication:~$ sudo su -  
root@anushaapplication:~# apt install -y git  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
git is already the newest version (1:2.43.0-1ubuntu7.1).  
0 upgraded, 0 newly installed, 0 to remove and 61 not upgraded.  
root@anushaapplication:~# apt install -y maven  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
maven is already the newest version (3.8.7-2).  
0 upgraded, 0 newly installed, 0 to remove and 61 not upgraded.  
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