

DEPLOY APPLICATION ON CLOUD

The screenshot shows the AWS Management Console's 'Instances' page. The left sidebar contains navigation options like 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Scheduled Instances', 'Capacity Reservations', 'Images', 'AMIs', and 'AMI Catalog'. The main content area displays a table of instances. The 'springboot AWS' instance is selected, and its details are shown in the 'Details' tab. The instance is in a 'Running' state, using the 't2.micro' instance type, and has a public IP address of 107.21.69.163.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
firstec2	i-0958d9ed6a5149f00	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-3-89-121-16
awsdeploy	i-0168dad201bf994d5	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c	ec2-3-80-53-208
springboot AWS	i-0a57066384647dce5	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c	ec2-107-21-69-1

Instance: i-0a57066384647dce5 (springboot AWS)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary

Instance ID: i-0a57066384647dce5 (springboot AWS)

Public IPv4 address: 107.21.69.163 | [open address](#)

Private IPv4 addresses: 172.31.30.210

Instance state: **Running**

Public IPv4 DNS: ec2-107-21-69-163.compute-1.amazonaws.com | [open address](#)

Private IP DNS name (IPv4 only): ip-172-31-30-210.ec2.internal

Answer private resource DNS name: IPv4 (A)

The screenshot shows the Amazon S3 console for the 'awsspringbootdeploy' bucket. The left sidebar contains navigation options like 'Buckets', 'Access Points', 'Object Lambda Access Points', 'Multi-Region Access Points', 'Batch Operations', 'Access analyzer for S3', 'Storage Lens', 'Dashboards', 'AWS Organizations settings', 'Feature spotlight', and 'AWS Marketplace for S3'. The main content area displays the 'Objects' tab, showing a list of objects. One object, 'SpringBoot-AWS-exe.jar', is visible, with a size of 16.3 MB and a storage class of 'Standard'.

Amazon S3 > awsspringbootdeploy

awsspringbootdeploy info

Objects | Properties | Permissions | Metrics | Management | Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

[Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

[Find objects by prefix](#)

Name	Type	Last modified	Size	Storage class
SpringBoot-AWS-exe.jar	jar	March 9, 2022, 23:11:18 (UTC+05:30)	16.3 MB	Standard

The screenshot shows the Amazon S3 console for the 'SpringBoot-AWS-exe.jar' object. The left sidebar contains navigation options like 'Buckets', 'Access Points', 'Object Lambda Access Points', 'Multi-Region Access Points', 'Batch Operations', 'Access analyzer for S3', 'Storage Lens', 'Dashboards', 'AWS Organizations settings', 'Feature spotlight', and 'AWS Marketplace for S3'. The main content area displays the 'Properties' tab, showing details about the object, including its owner, region, last modified date, size, and S3 URI.

Amazon S3 > awsspringbootdeploy > SpringBoot-AWS-exe.jar

SpringBoot-AWS-exe.jar info

[Copy S3 URI](#) [Download](#) [Open](#) [Object actions](#)

Properties | Permissions | Versions

Object overview

Owner: rashmi.mk1999

AWS Region: US East (N. Virginia) us-east-1

Last modified: March 9, 2022, 23:11:18 (UTC+05:30)

Size: 16.3 MB

Type: jar

S3 URI: s3://awsspringbootdeploy/SpringBoot-AWS-exe.jar

Amazon Resource Name (ARN): arn:aws:s3:::awsspringbootdeploy/SpringBoot-AWS-exe.jar

Entity tag (Etag): 1d5bdd56b78deadbf86eb83a5e759aba

Object URL: <https://awsspringbootdeploy.s3.amazonaws.com/SpringBoot-AWS-exe.jar>

```
ec2-user@ip-172-31-30-210-
Using username "ec2-user".
* Authenticating with public key "imported-openssh-key"
Last login: Tue Mar  8 18:01:17 2022 from 102.10.179.137

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| | | | |
|_|_|_|_|_|
      Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 10 available
Run "sudo yum update" to apply all updates.
ec2-user@ip-172-31-30-210 ~$ ls
ec2-user@ip-172-31-30-210 ~$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amazon2-core                                | 3.7 kB  00:00
amazon2extra-docker                         | 3.0 kB  00:00
amazon2extra-kernel-5.10                   | 3.0 kB  00:00
Resolving Dependencies
--> Running transaction check
--> Package cyrus-sasl-lib.x86_64 0:2.1.26-24.amzn2 will be updated
--> Package cyrus-sasl-lib.x86_64 0:2.1.26-24.amzn2 will be an update
--> Package cyrus-sasl-plain.x86_64 0:2.1.26-24.amzn2 will be updated
--> Package cyrus-sasl-plain.x86_64 0:2.1.26-24.amzn2 will be an update
--> Package dhclient.x86_64 12:4.2.5-77.amzn2.1.3 will be updated
--> Package dhclient.x86_64 12:4.2.5-77.amzn2.1.4 will be an update
--> Package dhcp-common.x86_64 12:4.2.5-77.amzn2.1.3 will be updated
--> Package dhcp-common.x86_64 12:4.2.5-77.amzn2.1.4 will be an update
--> Package dhcp-lib.x86_64 12:4.2.5-77.amzn2.1.3 will be updated
--> Package dhcp-lib.x86_64 12:4.2.5-77.amzn2.1.4 will be an update
--> Package dracut-config-ec2.noarch 0:2.0-3.amzn2 will be updated
--> Package dracut-config-ec2.noarch 0:2.0-3.amzn2 will be an update
--> Package expat.x86_64 0:2.1.0-12.amzn2 will be updated
--> Package expat.x86_64 0:2.1.0-12.amzn2.0.2 will be an update
--> Package iproute.x86_64 0:4.15.0-1.amzn2.0.4 will be updated
--> Package iproute.x86_64 0:5.10.0-2.amzn2.0.1 will be an update
--> Package microcode_ctl.x86_64 2:2.1-47.amzn2.0.9 will be updated
--> Package microcode_ctl.x86_64 2:2.1-47.amzn2.0.11 will be an update
--> Package rsyslog.x86_64 0:8.24.0-52.amzn2 will be updated
--> Package rsyslog.x86_64 0:8.24.0-57.amzn2.1 will be an update
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package             Arch      Version              Repository          Size
=====
Updating:
cyrus-sasl-lib      x86_64    2.1.26-24.amzn2      amzn2-core          154 k
cyrus-sasl-plain    x86_64    2.1.26-24.amzn2      amzn2-core           39 k
=====
```

```
=====
Package             Arch      Version              Repository          Size
=====
Updating:
cyrus-sasl-lib      x86_64    2.1.26-24.amzn2      amzn2-core          154 k
cyrus-sasl-plain    x86_64    2.1.26-24.amzn2      amzn2-core           39 k
dhclient            x86_64    12:4.2.5-77.amzn2.1.4 amzn2-core          286 k
dhcp-common         x86_64    12:4.2.5-77.amzn2.1.4 amzn2-core          176 k
dhcp-lib            x86_64    12:4.2.5-77.amzn2.1.4 amzn2-core          132 k
dracut-config-ec2   noarch    2:0-3.amzn2           amzn2-core           5.0 k
expat               x86_64    2.1.0-12.amzn2.0.2    amzn2-core           86 k
iproute             x86_64    5.10.0-2.amzn2.0.1    amzn2extra-kernel-5.10 649 k
microcode_ctl       x86_64    2:2.1-47.amzn2.0.11   amzn2-core          296 k
rsyslog             x86_64    8.24.0-57.amzn2.1     amzn2-core          618 k
=====

Transaction Summary
=====
Upgrade 10 Packages

Total download size: 2.4 M
Downloading packages:
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
(2/10): cyrus-sasl-plain-2.1.26-24.amzn2.x86_64.rpm | 154 kB  00:00
(3/10): dhclient-4.2.5-77.amzn2.1.4.x86_64.rpm | 286 kB  00:00
(4/10): dhcp-common-4.2.5-77.amzn2.1.4.x86_64.rpm | 176 kB  00:00
(5/10): dracut-config-ec2-2.0-3.amzn2.noarch.rpm | 5.0 kB  00:00
(6/10): dhcp-lib-4.2.5-77.amzn2.1.4.x86_64.rpm | 132 kB  00:00
(7/10): expat-2.1.0-12.amzn2.0.2.x86_64.rpm | 86 kB  00:00
(8/10): microcode_ctl-2.1-47.amzn2.0.11.x86_64.rpm | 296 kB  00:00
(9/10): rsyslog-8.24.0-57.amzn2.1.x86_64.rpm | 618 kB  00:00
(10/10): iproute-5.10.0-2.amzn2.0.1.x86_64.rpm | 649 kB  00:00
-----
Total                               8.0 MB/s | 2.4 MB  00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Updating : 12:dhcp-lib-4.2.5-77.amzn2.1.4.x86_64 | 1/20
  Updating : 12:dhcp-common-4.2.5-77.amzn2.1.4.x86_64 | 2/20
  Updating : iproute-5.10.0-2.amzn2.0.1.x86_64 | 4/20
  Updating : 12:dhclient-4.2.5-77.amzn2.1.4.x86_64 | 5/20
  Updating : cyrus-sasl-plain-2.1.26-24.amzn2.x86_64 | 6/20
  Updating : dracut-config-ec2-2.0-3.amzn2.noarch | 7/20
  Updating : expat-2.1.0-12.amzn2.0.2.x86_64 | 8/20
  Updating : rsyslog-8.24.0-57.amzn2.1.x86_64 | 9/20
  Updating : 2:microcode_ctl-2.1-47.amzn2.0.11.x86_64 | 10/20
```

```
ec2-user@ip-172-31-30-210~$ sudo yum update
Updating : 12:dhcp-common-4.2.5-77.amzn2.1.4.x86_64 2/20
Updating : cyrus-sasl-lib-2.1.26-24.amzn2.x86_64 3/20
Updating : iproute-5.10.0-2.amzn2.0.1.x86_64 4/20
Updating : 12:dhclient-4.2.5-77.amzn2.1.4.x86_64 5/20
Updating : cyrus-sasl-plain-2.1.26-24.amzn2.x86_64 6/20
Updating : dracut-config-ec2-2.0-3.amzn2.noarch 7/20
Updating : expat-2.1.0-12.amzn2.0.2.x86_64 8/20
Updating : rsyslog-8.24.0-57.amzn2.1.x86_64 9/20
Updating : 2:microcode_ctl-2.1-47.amzn2.0.11.x86_64 10/20
Cleanup : 12:dhclient-4.2.5-77.amzn2.1.3.x86_64 11/20
Cleanup : 12:dhcp-common-4.2.5-77.amzn2.1.3.x86_64 12/20
Cleanup : 12:dhcp-libs-4.2.5-77.amzn2.1.3.x86_64 13/20
Cleanup : dracut-config-ec2-2.0-2.amzn2.noarch 14/20
Cleanup : cyrus-sasl-plain-2.1.26-23.amzn2.x86_64 15/20
Cleanup : cyrus-sasl-lib-2.1.26-23.amzn2.x86_64 16/20
Cleanup : iproute-4.15.0-1.amzn2.0.4.x86_64 17/20
Cleanup : expat-2.1.0-12.amzn2.x86_64 18/20
Cleanup : rsyslog-8.24.0-52.amzn2.x86_64 19/20
Cleanup : 2:microcode_ctl-2.1-47.amzn2.0.9.x86_64 20/20
Verifying : iproute-5.10.0-2.amzn2.0.1.x86_64 1/20
Verifying : 12:dhcp-libs-4.2.5-77.amzn2.1.4.x86_64 2/20
Verifying : 12:dhcp-common-4.2.5-77.amzn2.1.4.x86_64 3/20
Verifying : cyrus-sasl-lib-2.1.26-24.amzn2.x86_64 4/20
Verifying : 2:microcode_ctl-2.1-47.amzn2.0.11.x86_64 5/20
Verifying : 12:dhclient-4.2.5-77.amzn2.1.4.x86_64 6/20
Verifying : rsyslog-8.24.0-57.amzn2.1.x86_64 7/20
Verifying : expat-2.1.0-12.amzn2.0.2.x86_64 8/20
Verifying : dracut-config-ec2-2.0-3.amzn2.noarch 9/20
Verifying : cyrus-sasl-plain-2.1.26-24.amzn2.x86_64 10/20
Verifying : cyrus-sasl-lib-2.1.26-23.amzn2.x86_64 11/20
Verifying : iproute-4.15.0-1.amzn2.0.4.x86_64 12/20
Verifying : dracut-config-ec2-2.0-2.amzn2.noarch 13/20
Verifying : 2:microcode_ctl-2.1-47.amzn2.0.9.x86_64 14/20
Verifying : 12:dhcp-libs-4.2.5-77.amzn2.1.3.x86_64 15/20
Verifying : cyrus-sasl-lib-2.1.26-23.amzn2.x86_64 16/20
Verifying : rsyslog-8.24.0-52.amzn2.x86_64 17/20
Verifying : 12:dhclient-4.2.5-77.amzn2.1.3.x86_64 18/20
Verifying : expat-2.1.0-12.amzn2.x86_64 19/20
Verifying : 12:dhcp-common-4.2.5-77.amzn2.1.3.x86_64 20/20

Updated:
cyrus-sasl-lib.x86_64 0:2.1.26-24.amzn2
cyrus-sasl-plain.x86_64 0:2.1.26-24.amzn2
dhclient.x86_64 12:4.2.5-77.amzn2.1.4
dhcp-common.x86_64 12:4.2.5-77.amzn2.1.4
dhcp-libs.x86_64 12:4.2.5-77.amzn2.1.4
dracut-config-ec2.noarch 0:2.0-3.amzn2
expat.x86_64 0:2.1.0-12.amzn2.0.2
iproute.x86_64 0:5.10.0-2.amzn2.0.1
```

```
ec2-user@ip-172-31-30-210~$ sudo yum install -y httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package httpd.x86_64 0:2.4.52-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.52-1.amzn2 for package: httpd-2.4.52-1.amzn2.x86_64
--> Processing Dependency: httpdfilesystem = 2.4.52-1.amzn2 for package: httpd-2.4.52-1.amzn2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.52-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.52-1.amzn2.x86_64
--> Processing Dependency: httpdfilesystem for package: httpd-2.4.52-1.amzn2.x86_64
--> Processing Dependency: etc/mime.types for package: httpd-2.4.52-1.amzn2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.52-1.amzn2.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.52-1.amzn2.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.6.5-9.amzn2 will be installed
--> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-5.amzn2.0.2.x86_64
--> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
--> Package httpdfilesystem.noarch 0:2.4.52-1.amzn2 will be installed
--> Package httpd-tools.x86_64 0:2.4.52-1.amzn2 will be installed
--> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
--> Package mod_http2.x86_64 0:1.15.19-1.amzn2.0.1 will be installed
--> Running transaction check
--> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

-----
Package Arch Version Repository Size
-----
Installing:
httpd x86_64 2.4.52-1.amzn2 amzn2-core 1.3 M
Installing for dependencies:
apr x86_64 1.7.0-9.amzn2 amzn2-core 122 k
apr-util x86_64 1.6.1-5.amzn2.0.2 amzn2-core 99 k
apr-util-bdb x86_64 1.6.1-5.amzn2.0.2 amzn2-core 19 k
generic-logos-httpd noarch 18.0.0-4.amzn2 amzn2-core 19 k
httpdfilesystem noarch 2.4.52-1.amzn2 amzn2-core 24 k
```

```
ec2-user@ip-172-31-30-210-
generic-logos-httpd      noarch      18.0.0-4.amzn2      amzn2-core      19 k
httpd-filesystem         noarch      2.4.52-1.amzn2      amzn2-core      24 k
httpd-tools              x86_64      2.4.52-1.amzn2      amzn2-core      86 k
mailcap                  noarch      2.1.41-2.amzn2      amzn2-core      31 k
mod_http2                 x86_64      1.15.19-1.amzn2.0.1 amzn2-core      149 k

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

Total download size: 1.9 M
Installed size: 5.2 M
Downloading packages:
(1/9): apr-1.7.0-9.amzn2.x86_64.rpm | 122 kB 00:00:00
(2/9): apr-util-1.6.1-5.amzn2.0.2.x86_64.rpm | 99 kB 00:00:00
(3/9): apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64.rpm | 19 kB 00:00:00
(4/9): generic-logos-httpd-18.0.0-4.amzn2.noarch.rpm | 19 kB 00:00:00
(5/9): httpd-filesystem-2.4.52-1.amzn2.noarch.rpm | 24 kB 00:00:00
(6/9): httpd-tools-2.4.52-1.amzn2.x86_64.rpm | 86 kB 00:00:00
(7/9): httpd-2.4.52-1.amzn2.x86_64.rpm | 1.3 MB 00:00:00
(8/9): mailcap-2.1.41-2.amzn2.noarch.rpm | 31 kB 00:00:00
(9/9): mod_http2-1.15.19-1.amzn2.0.1.x86_64.rpm | 149 kB 00:00:00
-----
Total                                     8.5 MB/s | 1.9 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : apr-1.7.0-9.amzn2.x86_64 | 1/9
  Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 | 2/9
  Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64 | 3/9
  Installing : httpd-tools-2.4.52-1.amzn2.x86_64 | 4/9
  Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch | 5/9
  Installing : mailcap-2.1.41-2.amzn2.noarch | 6/9
  Installing : httpd-filesystem-2.4.52-1.amzn2.noarch | 7/9
  Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64 | 8/9
  Installing : httpd-2.4.52-1.amzn2.x86_64 | 9/9
  Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 | 1/9
  Verifying : httpd-tools-2.4.52-1.amzn2.x86_64 | 2/9
  Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 | 3/9
  Verifying : httpd-filesystem-2.4.52-1.amzn2.noarch | 4/9
  Verifying : httpd-2.4.52-1.amzn2.x86_64 | 5/9
  Verifying : mailcap-2.1.41-2.amzn2.noarch | 6/9
  Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch | 7/9
  Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64 | 8/9
  Verifying : apr-1.7.0-9.amzn2.x86_64 | 9/9
Installed:
httpd.x86_64 0:2.4.52-1.amzn2
```

```
ec2-user@ip-172-31-30-210-
Dependency Installed:
apr.x86_64 0:1.7.0-9.amzn2      apr-util.x86_64 0:1.6.1-5.amzn2.0.2      apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2      generic-logos-httpd.noarch 0:18.0.0-4.amzn2
httpd-filesystem.noarch 0:2.4.52-1.amzn2      httpd-tools.x86_64 0:2.4.52-1.amzn2      mailcap.noarch 0:2.1.41-2.amzn2      mod_http2.x86_64 0:1.15.19-1.amzn2.0.1

Complete!
ec2-user@ip-172-31-30-210 ~$ sudo systemctl start httpd
ec2-user@ip-172-31-30-210 ~$ sudo systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
ec2-user@ip-172-31-30-210 ~$ sudo yum install wget -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package wget-1.14-10.amzn2.1.x86_64 already installed and latest version
Nothing to do
ec2-user@ip-172-31-30-210 ~$ java -version
bash: java: command not found
ec2-user@ip-172-31-30-210 ~$ sudo yum install java -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package java-17-amazon-corretto-x86_64 1:17.0.2+8-1.amzn2.1 will be installed
--> Processing Dependency: java-17-amazon-corretto-headless(x86_64) = 1:17.0.2+8-1.amzn2.1 for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: dejavu-sans-mono-fonts for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: dejavu-serif-fonts for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: dejavu-sans-fonts for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: alsa-lib for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: libXtst for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: libXrandr for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: libXrender for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: libXi for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: libXinerama for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: libX11 for package: 1:java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64
--> Running transaction check
--> Package alsa-lib.x86_64 0:1.1.4-1-2.amzn2 will be installed
--> Package dejavu-sans-fonts.noarch 0:2.33-6.amzn2 will be installed
--> Processing Dependency: dejavu-fonts-common = 2.33-6.amzn2 for package: dejavu-sans-fonts-2.33-6.amzn2.noarch
--> Package dejavu-sans-mono-fonts.noarch 0:2.33-6.amzn2 will be installed
--> Package dejavu-serif-fonts.noarch 0:2.33-6.amzn2 will be installed
--> Package java-17-amazon-corretto-headless.x86_64 1:17.0.2+8-1.amzn2.1 will be installed
--> Processing Dependency: log4j-cve-2021-44228-cve-mitigations for package: 1:java-17-amazon-corretto-headless-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: fontconfig for package: 1:java-17-amazon-corretto-headless-17.0.2+8-1.amzn2.1.x86_64
--> Processing Dependency: package-utils for package: 1:java-17-amazon-corretto-headless-17.0.2+8-1.amzn2.1.x86_64
--> Package libX11.x86_64 0:1.6.7-3.amzn2.0.2 will be installed
--> Processing Dependency: libX11-common >= 1.6.7-3.amzn2.0.2 for package: libX11-1.6.7-3.amzn2.0.2.x86_64
--> Processing Dependency: libxcb.so.1(64bit) for package: libX11-1.6.7-3.amzn2.0.2.x86_64
--> Package libXi.x86_64 0:1.7.9-1.amzn2.0.2 will be installed
--> Processing Dependency: libXt.so.6(64bit) for package: libXi-1.7.9-1.amzn2.0.2.x86_64
--> Package libXinerama.x86_64 0:1.1.3-2.1.amzn2.0.2 will be installed
```

```
ec2-user@ip-172-31-30-210-
--> Package libXrender.x86_64 0:1.5.1-2.amzn2.0.3 will be installed
--> Package libXrender.x86_64 0:0.9.10-1.amzn2.0.2 will be installed
--> Package libXt.x86_64 0:1.1.5-3.amzn2.0.2 will be installed
--> Processing Dependency: libICE.so.6(64bit) for package: libXt-1.1.5-3.amzn2.0.2.x86_64
--> Processing Dependency: libICE.so.6(64bit) for package: libXt-1.1.5-3.amzn2.0.2.x86_64
--> Package libXt.x86_64 0:1.2.3-1.amzn2.0.2 will be installed
--> Running transaction check
--> Package dejavu-fonts-common.noarch 0:2.33-6.amzn2 will be installed
--> Processing Dependency: fontpackages-filesystem for package: dejavu-fonts-common-2.33-6.amzn2.noarch
--> Package fontconfig.x86_64 0:2.13.0-4.3.amzn2 will be installed
--> Package javapackages-tools.noarch 0:3.4.1-11.amzn2 will be installed
--> Processing Dependency: python-javapackages = 3.4.1-11.amzn2 for package: javapackages-tools-3.4.1-11.amzn2.noarch
--> Processing Dependency: libxslt for package: javapackages-tools-3.4.1-11.amzn2.noarch
--> Package libICE.x86_64 0:1.0.9-9.amzn2.0.2 will be installed
--> Package libSM.x86_64 0:1.2.2-2.amzn2.0.2 will be installed
--> Package libX11-common.noarch 0:1.6.7-3.amzn2.0.2 will be installed
--> Package libXext.x86_64 0:1.3.3-3.amzn2.0.2 will be installed
--> Package libxcb.x86_64 0:1.12-1.amzn2.0.2 will be installed
--> Processing Dependency: libXau.so.6(64bit) for package: libxcb-1.12-1.amzn2.0.2.x86_64
--> Package log4j-cve-2021-44228-hotpatch.noarch 0:1.1-13.amzn2 will be installed
--> Running transaction check
--> Package fontpackages-filesystem.noarch 0:1.44-8.amzn2 will be installed
--> Package libXau.x86_64 0:1.0.8-2.1.amzn2.0.2 will be installed
--> Package libxslt.x86_64 0:1.1.28-6.amzn2 will be installed
--> Package python-javapackages.noarch 0:3.4.1-11.amzn2 will be installed
--> Processing Dependency: python-lxml for package: python-javapackages-3.4.1-11.amzn2.noarch
--> Running transaction check
--> Package python-lxml.x86_64 0:3.2.1-4.amzn2.0.3 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Installing:
java-17-amazon-corretto x86_64 1:17.0.2+8-1.amzn2.1 amzn2-core 178 k
Installing for dependencies:
alsa-lib x86_64 1.1.4.1-2.amzn2 amzn2-core 425 k
dejavu-fonts-common noarch 2.33-6.amzn2 amzn2-core 64 k
dejavu-sans-fonts noarch 2.33-6.amzn2 amzn2-core 1.4 M
dejavu-sans-mono-fonts noarch 2.33-6.amzn2 amzn2-core 433 k
dejavu-serif-fonts noarch 2.33-6.amzn2 amzn2-core 777 k
fontconfig x86_64 2.13.0-4.3.amzn2 amzn2-core 253 k
fontpackages-filesystem noarch 1.44-8.amzn2 amzn2-core 10 k
java-17-amazon-corretto-headless x86_64 1:17.0.2+8-1.amzn2.1 amzn2-core 94 M
javapackages-tools noarch 3.4.1-11.amzn2 amzn2-core 73 k
libICE x86_64 1.0.9-9.amzn2.0.2 amzn2-core 67 k
libSM x86_64 1.2.2-2.amzn2.0.2 amzn2-core 39 k
=====
```

```
ec2-user@ip-172-31-30-210-
libX1 x86_64 1.7.9-1.amzn2.0.2 amzn2-core 41 k
libXinerama x86_64 1.1.3-2.1.amzn2.0.2 amzn2-core 14 k
libXrandr x86_64 1.5.1-2.amzn2.0.3 amzn2-core 27 k
libXrender x86_64 0.9.10-1.amzn2.0.2 amzn2-core 26 k
libXt x86_64 1.1.5-3.amzn2.0.2 amzn2-core 177 k
libXtst x86_64 1.2.3-1.amzn2.0.2 amzn2-core 20 k
libxcb x86_64 1.12-1.amzn2.0.2 amzn2-core 216 k
libxslt x86_64 1.1.28-6.amzn2 amzn2-core 240 k
log4j-cve-2021-44228-hotpatch noarch 1.1-13.amzn2 amzn2-core 144 k
python-javapackages noarch 3.4.1-11.amzn2 amzn2-core 31 k
python-lxml x86_64 3.2.1-4.amzn2.0.3 amzn2-core 1.0 M

Transaction Summary
-----
Install 1 Package (+26 Dependent packages)

Total download size: 100 M
Installed size: 256 M
Downloading packages:
(1/27): dejavu-fonts-common-2.33-6.amzn2.noarch.rpm | 64 kB 00:00:00
(2/27): alsa-lib-1.1.4.1-2.amzn2.x86_64.rpm | 425 kB 00:00:00
(3/27): dejavu-sans-mono-fonts-2.33-6.amzn2.noarch.rpm | 433 kB 00:00:00
(4/27): dejavu-sans-fonts-2.33-6.amzn2.noarch.rpm | 1.4 MB 00:00:00
(5/27): fontconfig-2.13.0-4.3.amzn2.x86_64.rpm | 253 kB 00:00:00
(6/27): dejavu-serif-fonts-2.33-6.amzn2.noarch.rpm | 777 kB 00:00:00
(7/27): fontpackages-filesystem-1.44-8.amzn2.noarch.rpm | 10 kB 00:00:00
(8/27): java-17-amazon-corretto-17.0.2+8-1.amzn2.1.x86_64.rpm | 178 kB 00:00:00
(9/27): javapackages-tools-3.4.1-11.amzn2.noarch.rpm | 73 kB 00:00:00
(10/27): libICE-1.0.9-9.amzn2.0.2.x86_64.rpm | 67 kB 00:00:00
(11/27): libSM-1.2.2-2.amzn2.0.2.x86_64.rpm | 39 kB 00:00:00
(12/27): libX11-1.6.7-3.amzn2.0.2.x86_64.rpm | 606 kB 00:00:00
(13/27): libX11-common-1.6.7-3.amzn2.0.2.noarch.rpm | 165 kB 00:00:00
(14/27): libXau-1.0.8-2.1.amzn2.0.2.x86_64.rpm | 29 kB 00:00:00
(15/27): libXext-1.3.3-3.amzn2.0.2.x86_64.rpm | 39 kB 00:00:00
(16/27): libXt-1.1.5-3.amzn2.0.2.x86_64.rpm | 41 kB 00:00:00
(17/27): libXinerama-1.1.3-2.1.amzn2.0.2.x86_64.rpm | 14 kB 00:00:00
(18/27): libXrandr-1.5.1-2.amzn2.0.3.x86_64.rpm | 27 kB 00:00:00
(19/27): libXrender-0.9.10-1.amzn2.0.2.x86_64.rpm | 26 kB 00:00:00
(20/27): libXt-1.1.5-3.amzn2.0.2.x86_64.rpm | 177 kB 00:00:00
(21/27): libXtst-1.2.3-1.amzn2.0.2.x86_64.rpm | 20 kB 00:00:00
(22/27): libxcb-1.12-1.amzn2.0.2.x86_64.rpm | 216 kB 00:00:00
(23/27): libxslt-1.1.28-6.amzn2.x86_64.rpm | 240 kB 00:00:00
(24/27): log4j-cve-2021-44228-hotpatch-1.1-13.amzn2.noarch.rpm | 144 kB 00:00:00
(25/27): python-javapackages-3.4.1-11.amzn2.noarch.rpm | 21 kB 00:00:00
(26/27): python-lxml-3.2.1-4.amzn2.0.3.x86_64.rpm | 1.0 MB 00:00:00
(27/27): java-17-amazon-corretto-headless-17.0.2+8-1.amzn2.1.x86_64.rpm | 94 MB 00:00:01
-----
Total 49 MB/s | 100 MB 00:00:02
Running transaction check
```



```
ec2-user@ip-172-31-30-210-
20 docker=latest          enabled \
   [ =17.12.1 =18.03.1 =18.06.1 =18.09.9 =stable ]
21 mate-desktop1.x        available \
   [ =1.19.0 =1.20.0 =stable ]
22 GraphicsMagick1.3      available \
   [ =1.3.29 =1.3.32 =1.3.34 =stable ]
23 tomcat8.5              available \
   [ =8.5.31 =8.5.32 =8.5.38 =8.5.40 =8.5.42 =8.5.50
   =stable ]
24 epel=latest            enabled [ =7.11 =stable ]
25 testing                available [ =1.0 =stable ]
26 ecs                    available [ =stable ]
27 corretto8              available \
   [ =1.8.0_192 =1.8.0_212 =1.8.0_212 =1.8.0_222 =1.8.0_232
   =1.8.0_242 =stable ]
28 firecracker            available [ =0.11 =stable ]
29 go1ang1.11             available \
   [ =1.11.3 =1.11.11 =1.11.13 =stable ]
30 squid4                 available [ =4 =stable ]
32 lustre2.10             available \
   [ =2.10.5 =2.10.8 =stable ]
33 java-openjdk11         available [ =stable ]
34 lynix                  available [ =stable ]
35 kernel-ng              available [ =stable ]
36 gcc                    available [ =0.x =stable ]
37 mono                   available [ =5.x =stable ]
38 nghttp                  available [ =stable ]
39 ruby2.6                 available [ =2.6 =stable ]
40 mock                   available [ =stable ]
41 postgresql11           available [ =11 =stable ]
42 php7.4                 available [ =stable ]
43 livepatch              available [ =stable ]
44 python3.8              available [ =stable ]
45 haproxy2               available [ =stable ]
46 collectd               available [ =stable ]
47 aws-nitro-enclaves-cli available [ =stable ]
48 R4                      available [ =stable ]
   kernel-5.4             available [ =stable ]
50 selinux-ng             available [ =stable ]
51 php8.0                 available [ =stable ]
52 tomcat9                available [ =stable ]
53 unbound1.13            available [ =stable ]
54 mariadb10.5            available [ =stable ]
55 kernel-5.10=latest     enabled [ =stable ]
56 redis6                 available [ =stable ]
57 ruby3.0                available [ =stable ]
58 postgresql12           available [ =stable ]
59 postgresql13           available [ =stable ]
60 mock2                  available [ =stable ]
```

```
ec2-user@ip-172-31-30-210-
60 mock2                  available [ =stable ]
61 dnsmasq2.85            available [ =stable ]
[ec2-user@ip-172-31-30-210 ~]$ sudo amazon-linux-extras install epel -y
Installing epel-release
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-epel amzn2extra-kernel-5.10 epel jenkins
0 metadata files removed
12 sqlite files removed
0 metadata files removed
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                | 3.7 kB | 00:00:00
amzn2extra-docker         | 3.0 kB | 00:00:00
amzn2extra-epel           | 3.0 kB | 00:00:00
amzn2extra-kernel-5.10    | 3.0 kB | 00:00:00
epel/x86_64/metalink      | 11 kB | 00:00:00
epel                      | 4.7 kB | 00:00:00
jenkins                   | 2.9 kB | 00:00:00
(1/13): amzn2-core/2/x86_64/group.gz | 2.5 kB | 00:00:00
(2/13): amzn2-core/2/x86_64/updateinfo | 452 kB | 00:00:00
(3/13): amzn2extra-epel/2/x86_64/primary.db | 1.9 kB | 00:00:00
(4/13): amzn2extra-kernel-5.10/2/x86_64/updateinfo | 12 kB | 00:00:00
(5/13): amzn2extra-docker/2/x86_64/updateinfo | 5.9 kB | 00:00:00
(6/13): amzn2extra-epel/2/x86_64/updateinfo | 76 B | 00:00:00
(7/13): amzn2extra-docker/2/x86_64/primary.db | 86 kB | 00:00:00
(8/13): amzn2extra-kernel-5.10/2/x86_64/primary.db | 7.4 MB | 00:00:00
(9/13): epel/x86_64/group.gz | 96 kB | 00:00:00
(10/13): epel/x86_64/updateinfo | 1.0 MB | 00:00:00
(11/13): epel/x86_64/primary.db | 7.0 MB | 00:00:00
(12/13): jenkins/primary.db | 40 kB | 00:00:00
(13/13): amzn2-core/2/x86_64/primary.db | 60 MB | 00:00:02
209 packages excluded due to repository priority protections
Package epel-release-7-11.noarch already installed and latest version
Nothing to do
0 ansible2                available \
   [ =2.4.2 =2.4.6 =2.8 =stable ]
2 httpd modules            available [ =1.0 =stable ]
3 memcached1.5            available \
   [ =1.5.1 =1.5.16 =1.5.17 ]
5 postgresql19.6          available \
   [ =9.6.6 =9.6.8 =stable ]
6 postgresql110           available [ =10 =stable ]
9 R3.4                    available [ =3.4.3 =stable ]
10 rust1                  available \
   [ =1.22.1 =1.26.0 =1.26.1 =1.27.2 =1.31.0 =1.39.0
   =stable ]
11 vim                    available [ =8.0 =stable ]
18 libreoffice             available \
   [ =5.0.6.2_15 =5.3.6.1 =stable ]
19 gimp                    available [ =2.0.22 ]
```



```
ec2-user@ip-172-31-30-210-
18 libreoffice available \
   [ =5.0.6.2_15 =5.3.6.1 =stable ]
19 gimp available [ =2.0.22 ]
20 docker-latest enabled \
   [ =17.12.1 =18.03.1 =18.06.1 =18.09.9 =stable ]
21 mate-desktop1.x available \
   [ =1.19.0 =1.20.0 =stable ]
22 GraphicsMagick1.3 available \
   [ =1.3.29 =1.3.32 =1.3.34 =stable ]
23 tomcat8.5 available \
   [ =0.5.31 =0.5.32 =0.5.33 =0.5.40 =0.5.42 =0.5.50
   =stable ]
24 epelolatest enabled [ =7.11 =stable ]
25 testing available [ =1.0 =stable ]
26 ecs available [ =stable ]
27 corretto8 available \
   [ =1.8.0_192 =1.8.0_202 =1.8.0_212 =1.8.0_222 =1.8.0_232
   =1.8.0_242 =stable ]
28 firecracker available [ =0.11 =stable ]
29 golang1.11 available \
   [ =1.11.3 =1.11.11 =1.11.13 =stable ]
30 squid4 available [ =4 =stable ]
31 luster2.10 available \
   [ =2.10.5 =2.10.8 =stable ]
33 java-openjdk11 available [ =11 =stable ]
34 lynis available [ =stable ]
35 kernel-ng available [ =stable ]
36 EBC available [ =0.x =stable ]
37 mono available [ =5.x =stable ]
38 nginx1 available [ =stable ]
39 ruby2.6 available [ =2.6 =stable ]
40 mock available [ =stable ]
41 postgresql11 available [ =11 =stable ]
42 php7.4 available [ =stable ]
43 livepatch available [ =stable ]
44 pythons3 available [ =stable ]
45 haproxy2 available [ =stable ]
46 collectd available [ =stable ]
47 aws-nitro-enclaves-cli available [ =stable ]
48 R4 available [ =stable ]
49 kernel-5.4 available [ =stable ]
50 selinux-ng available [ =stable ]
51 php8.0 available [ =stable ]
52 tomcat9 available [ =stable ]
53 unbound1.13 available [ =stable ]
54 mariadb10.5 available [ =stable ]
55 kernel-5.10-latest enabled [ =stable ]
56 redis6 available [ =stable ]
57 ruby2.0 available [ =stable ]
```

```
ec2-user@ip-172-31-30-210-
Verifying : libfontenc-1.1.3-3.amzn2.0.2.x86_64 22/44
Verifying : libthai-0.1.14-9.amzn2.0.2.x86_64 23/44
Verifying : xorg-x11-fonts-Type1-7.5-9.amzn2.noarch 24/44
Verifying : gtk2-2.24.31-1.amzn2.0.2.x86_64 25/44
Verifying : avahi-libc-0.6.31-20.amzn2.x86_64 26/44
Verifying : gdk-pixbuf2-2.36.12-3.amzn2.x86_64 27/44
Verifying : hicolor-icon-theme-0.12-7.amzn2.noarch 28/44
Verifying : harfbuzz-1.7.5-2.amzn2.x86_64 29/44
Verifying : jenkins-2.332.1-1.1.noarch 30/44
Verifying : glib-4.1.6-9.amzn2.0.2.x86_64 31/44
Verifying : cairo-1.15.12-4.amzn2.x86_64 32/44
Verifying : java-1.8.0-openjdk-devel-1.8.0_312.b07-1.amzn2.0.2.x86_64 33/44
Verifying : libXxf86vm-1.1.4-1.amzn2.0.2.x86_64 34/44
Verifying : libwayland-client-1.17.0-1.amzn2.x86_64 35/44
Verifying : libjava-1.8.0-openjdk-headless-1.8.0_312.b07-1.amzn2.0.2.x86_64 36/44
Verifying : pcre-lite-libs-1.0.9-7.amzn2.x86_64 37/44
Verifying : libXft-2.3.2-2.amzn2.0.2.x86_64 38/44
Verifying : copy-jdk-configs-3.3-10.amzn2.noarch 39/44
Verifying : jasper-libs-1.900.1-33.amzn2.x86_64 40/44
Verifying : libbglvnd-glx-1.0.1-0.1.git5baa1e5.amzn2.0.1.x86_64 41/44
Verifying : libXfixes-5.0.3-1.amzn2.0.2.x86_64 42/44
Verifying : freibidi-1.0.2-1.amzn2.1.x86_64 43/44
Verifying : graphite2-1.3.10-1.amzn2.0.2.x86_64 44/44

Installed:
java-1.8.0-openjdk-devel.x86_64 1:1.8.0_312.b07-1.amzn2.0.2 jenkins.noarch 0:2.332.1-1.1

Dependency Installed:
atk.x86_64 0:2.22.0-3.amzn2.0.2 avahi-libs.x86_64 0:0.6.31-20.amzn2 cairo.x86_64 0:1.15.12-4.amzn2
copy-jdk-configs.noarch 0:3.3-10.amzn2 cups-libs.x86_64 1:1.6.3-51.amzn2 freibidi.x86_64 0:1.0.2-1.amzn2.1
gdk-pixbuf2.x86_64 0:2.36.12-3.amzn2 glib.x86_64 0:4.1.6-9.amzn2.0.2 graphite2.x86_64 0:1.3.10-1.amzn2.0.2
gtk-update-icon-cache.x86_64 0:3.22.30-3.amzn2 gtk2.x86_64 0:2.24.31-1.amzn2.0.2 jasper-libs.x86_64 0:1.900.1-33.amzn2
hicolor-icon-theme.noarch 0:0.12-7.amzn2 libXcomposite.x86_64 0:0.4.4-4.1.amzn2.0.2 libXcursor.x86_64 0:1.1.15-1.amzn2
java-1.8.0-openjdk-headless.x86_64 1:1.8.0_312.b07-1.amzn2.0.2 libXfixes.x86_64 0:5.0.3-1.amzn2.0.2 libbglvnd.x86_64 1:1.0.1-0.1.git5baa1e5.amzn2.0.1
libXxf86vm.x86_64 0:1.1.4-1.amzn2.0.2 libfontenc.x86_64 0:1.1.3-3.amzn2.0.2 libbglvnd-glx.x86_64 1:1.0.1-0.1.git5baa1e5.amzn2.0.1
libthai.x86_64 0:0.1.14-9.amzn2.0.2 libwayland-client.x86_64 0:1.17.0-1.amzn2 libxsharpen.x86_64 0:1.2-1.amzn2.0.2
libxupdate.x86_64 0:1.1.4-1.amzn2.0.2 mesa-libGL.x86_64 0:10.3.4-5.amzn2.0.1 mesa-libGLES.x86_64 0:10.3.4-5.amzn2.0.1
pango.x86_64 0:1.42.4-4.amzn2 pcre-lite-libs.x86_64 0:1.0.9-7.amzn2.0.2 pixman.x86_64 0:0.34.0-2.amzn2.0.2
ttkfdi.x86_64 0:3.0.9-42.amzn2.0.2 xorg-x11-font-libs.x86_64 1:7.5-21.amzn2 xorg-x11-fonts-Type1.noarch 0:7.5-9.amzn2

Complete!
[ec2-user@ip-172-31-30-210 ~]$ wget https://awspringbootdeploy.s3.amazonaws.com/my-spring-boot-web-aws-exe.jar
--2022-03-09 17:31:56-- https://awspringbootdeploy.s3.amazonaws.com/my-spring-boot-web-aws-exe.jar
Resolving awspringbootdeploy.s3.amazonaws.com (awspringbootdeploy.s3.amazonaws.com)... 52.217.87.124
Connecting to awspringbootdeploy.s3.amazonaws.com (awspringbootdeploy.s3.amazonaws.com) [52.217.87.124]:443... connected.
HTTP request sent, awaiting response... 200 OK
```

