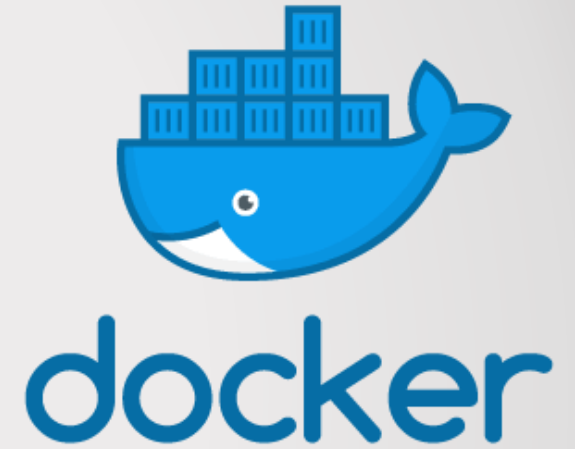


# Delivery of App to AWS S3 Bucket


# Project steps:

- Raise two instances in AWS EC2 for master and worker
- Raise two AWS S3 Buckets for file sharing and static website
- Raise Jenkins inside Docker
- Create two jobs for generating .jar files and delivering them to AWS S3 Bucket
- Create WordPress site on AWS Lightsail and make link to .jar file
- Set up Webhook on Github for starting jobs in Jenkins by push request

## Used tools:



# Raising of two instances in AWS EC2

 Services ▾

New EC2 Experience  
Tell us what you think

EC2 Dashboard New

Events New

Tags

Limits

▼ Instances

Instances New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Capacity Reservations

▼ Images

AMIs

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Instances (3) [Info](#)

Filter instances

Instance state: running ✕ 

Clear filters

<input type="checkbox"/>	Name ▲	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm status	Availability Zone ▼	Public I
<input type="checkbox"/>	Jenkins_Master...	i-0528296b7b7d0516a	✓ Running	t2.medium	✓ 2/2 checks ...	No alarms +	eu-central-1a	ec2-18-
<input type="checkbox"/>	Jenkins_Node	i-0b46eb30470fb9c8c	✓ Running	t2.micro	✓ 2/2 checks ...	No alarms +	eu-central-1b	ec2-18-

Select an instance above

# Raising of AWS S3 Bucket for .jar file uploading

aws

Services

alex-vern

Global

Support

Amazon S3

Buckets

Batch operations

Access analyzer for S3

Block public access (account settings)

Feature spotlight 2

Access S3-backed file shares on premises and reduce local storage costs using AWS Storage Gateway. [Learn more »](#)

Documentation

We've temporarily re-enabled the previous version of the S3 console while we continue to improve the new S3 console experience. [Switch to the new console.](#)

S3 buckets

Discover the console

Search for buckets

All access types

+ Create bucket

Edit public access settings

Empty

Delete

1 Buckets

1 Regions

<input type="checkbox"/> Bucket name	Access	Region	Date created
<input type="checkbox"/> alexvel.pp.ua	Public	EU (Frankfurt)	Oct 18, 2020 10:40:11 PM GMT+0300

Operations

0 In progress

3 Success

0 Error

Feedback

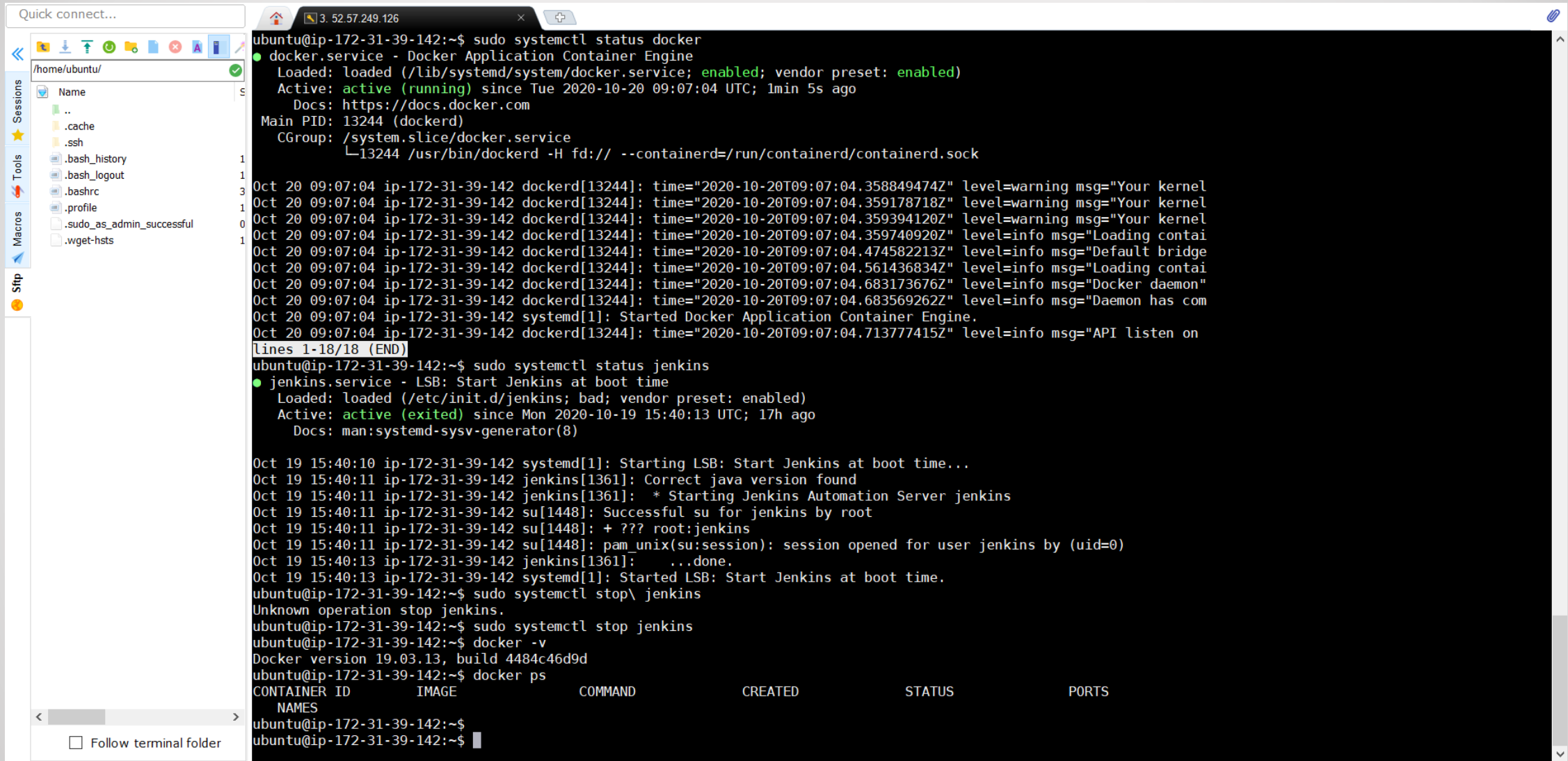
English (US)

© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy

Terms of Use

# Raising Jenkins inside Docker



The screenshot shows a terminal window with a file manager sidebar on the left. The sidebar displays the file system structure of /home/ubuntu/, including directories like .cache, .ssh, and files like .bash\_history, .bash\_logout, .bashrc, .profile, .sudo\_as\_admin\_successful, and .wget-hsts. The terminal window shows the following commands and output:


```
ubuntu@ip-172-31-39-142:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2020-10-20 09:07:04 UTC; 1min 5s ago
     Docs: https://docs.docker.com
    Main PID: 13244 (dockerd)
    CGroup: /system.slice/docker.service
            └─13244 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.358849474Z" level=warning msg="Your kernel
Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.359178718Z" level=warning msg="Your kernel
Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.359394120Z" level=warning msg="Your kernel
Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.359740920Z" level=info msg="Loading contai
Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.474582213Z" level=info msg="Default bridge
Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.561436834Z" level=info msg="Loading contai
Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.683173676Z" level=info msg="Docker daemon"
Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.683569262Z" level=info msg="Daemon has com
Oct 20 09:07:04 ip-172-31-39-142 systemd[1]: Started Docker Application Container Engine.
Oct 20 09:07:04 ip-172-31-39-142 dockerd[13244]: time="2020-10-20T09:07:04.713777415Z" level=info msg="API listen on

lines 1-18/18 (END)
ubuntu@ip-172-31-39-142:~$ sudo systemctl status jenkins
● jenkins.service - LSB: Start Jenkins at boot time
   Loaded: loaded (/etc/init.d/jenkins; bad; vendor preset: enabled)
   Active: active (exited) since Mon 2020-10-19 15:40:13 UTC; 17h ago
     Docs: man:systemd-sysv-generator(8)


Oct 19 15:40:10 ip-172-31-39-142 systemd[1]: Starting LSB: Start Jenkins at boot time...
Oct 19 15:40:11 ip-172-31-39-142 jenkins[1361]: Correct java version found
Oct 19 15:40:11 ip-172-31-39-142 jenkins[1361]: * Starting Jenkins Automation Server jenkins
Oct 19 15:40:11 ip-172-31-39-142 su[1448]: Successful su for jenkins by root
Oct 19 15:40:11 ip-172-31-39-142 su[1448]: + ??? root:jenkins
Oct 19 15:40:11 ip-172-31-39-142 su[1448]: pam_unix(su:session): session opened for user jenkins by (uid=0)
Oct 19 15:40:13 ip-172-31-39-142 jenkins[1361]: ...done.
Oct 19 15:40:13 ip-172-31-39-142 systemd[1]: Started LSB: Start Jenkins at boot time.
ubuntu@ip-172-31-39-142:~$ sudo systemctl stop jenkins
Unknown operation stop jenkins.
ubuntu@ip-172-31-39-142:~$ sudo systemctl stop jenkins
ubuntu@ip-172-31-39-142:~$ docker -v
Docker version 19.03.13, build 4484c46d9d
ubuntu@ip-172-31-39-142:~$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS
ubuntu@ip-172-31-39-142:~$
```


# Creating two nodes


 Jenkins

search


?


 2


 nik


 log out


JenkinsNodes

 Back to Dashboard

 Manage Jenkins

 New Node







 Configure Clouds

 Node Monitoring

Build Queue


^

No builds in the queue.

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	master	Linux (amd64)	In sync	14.32 GB	 0 B	14.32 GB	0ms 
	Node-1	Linux (amd64)	In sync	5.67 GB	 0 B	5.67 GB	31ms 
Data obtained		1 min 7 sec	1 min 7 sec	1 min 9 sec	1 min 7 sec	1 min 7 sec	1 min 9 sec

Refresh status


## Connecting 2<sup>nd</sup> node for tasks execution


 **Jenkins**


search ?


2 nik log out


Jenkins > Nodes > Node-1


 Back to List


 Status


 Delete Agent


 **Configure**


 Build History


 Load Statistics

 Script Console

 Log

 System Information

 Disconnect

 Open Blue Ocean

**Build Executor Status** ^

1 Idle

2 Idle

Name

Node-1 ?

Description

node-1 ?

# of executors

2 ?

Remote root directory

/home/jenkins/ ?

Labels

ubuntu16 ubuntu ?

Usage

Use this node as much as possible ?

Launch method

Launch agents via SSH ?

Host

18.192.67.172 ?

Credentials

jenkins (jenkins-slave-rsa-key) Add ?

Host Key Verification Strategy


Manually trusted key Verification Strategy ?

Require manual verification of initial connection

☐ ?

Availability

Keep this agent online as much as possible ?

 **Advanced...**



# Setting up 1<sup>st</sup> job

simple-java-maven-app ▸

General Build Triggers Advanced Project Options **Pipeline**

### Pipeline

Definition Pipeline script from SCM ▾

SCM Git ▾ ?

Repositories ?

Repository URL https://github.com/AlexOOP/simple-jav ?

Credentials - none - ▾ ?

[Add ▾](#)

[Advanced...](#)

[Add Repository](#)

Branches to build

Branch Specifier (blank for 'any') \*/master X ?

[Add Branch](#)

Repository browser (Auto) ▾ ?

Additional Behaviours [Add ▾](#)

[Save](#) [Apply](#)

Script Path Jenkinsfile ?

Lightweight checkout ☒ ?

## Copying generated .jar file to workspace of 2<sup>nd</sup> job

copying-artefacts-after-builds-simpleMavenApp ▶

General Source Code Management Build Triggers Build Environment **Build** Post-build Actions

**Execute shell** ✕ ?

Command

```
pwd;cd ../pwd;ls -la;cp simple-java-maven-app/target/my-app-1.0-SNAPSHOT.jar  
/var/jenkins_home/workspace/copying-artefacts-after-builds-simpleMavenApp/;  
ls -la /var/jenkins_home/workspace/copying-artefacts-after-builds-simpleMavenApp/;pwd
```

See [the list of available environment variables](#)

Advanced...

Add build step ▼

# Uploading .jar file to AWS S3 Bucket

copying-artefacts-after-builds-simpleMavenApp

General Source Code Management Build Triggers Build Environment Build Post-build Actions

## Post-build Actions

**Publish artifacts to S3 Bucket**

X ?

S3 profile

S3\_Jenkins

▼

Files to upload

**Source**

\*.jar

X ?

Exclude

Destination bucket

alexvel.pp.ua

?

Storage class

STANDARD

▼

Bucket Region

eu-central-1

▼

?

No upload on build failure

☒

?

Publish from Slave

☐

?

Manage artifacts

☐

?

Server side encryption

☐

?

Flatten directories

☐

?

GZIP files

☐

?

Keep files forever

☐

?

Save

Apply

## Trigger configuration for 2<sup>nd</sup> job

copying-artefacts-after-builds-simpleMavenApp ▶

General

Source Code Management

**Build Triggers**

Build Environment

Build

Post-build Actions

☐ Mercurial

### Build Triggers

☐ Trigger builds remotely (e.g., from scripts) ?

☒ Build after other projects are built ?

Projects to watch

☒ Trigger only if build is stable

☐ Trigger even if the build is unstable


☐ Trigger even if the build fails

☐ Build periodically ?

☐ GitHub hook trigger for GITScm polling ?


☐ Poll SCM ?


# Two Jenkins jobs


 **Jenkins**

search

?

 2

 nik

 log out

Jenkins

New Item

People

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views









Open Blue Ocean

Lockable Resources

New View


All


+


S	W	Name ↓	Last Success	Last Failure	Last Duration	Fav
		<a href="#">copying-artefacts-after-builds-simpleMavenApp</a>	58 min - #25	6 days 3 hr - #3	1.5 sec	 
		<a href="#">simple-java-maven-app</a>	58 min - #43	6 days 0 hr - #39	32 sec	 

Icon: S M L

Legend


 Atom feed for all


 Atom feed for failures

 Atom feed for just latest builds


add description


# Registration of domain name





DomainsHostingProtectionMore ▾


Contact usAlex Vern ▾


 Dashboard


 Domains


 Name Servers


 Hosting


 Cloud


 SSL-certificates


 Preorders


 Personal accounts

 Invoices

 Payment cards

 Contacts



 Settings

 Referral program

Domains

Register domainTransfer domain

Quick search

<input type="checkbox"/> Domain ▾		Expiry date ▾	Order ▾	AR  ▾	
<input type="checkbox"/> ● alexvel.pp.ua	<div>ns-1088.awsdns-08.org ns-820.awsdns-38.net ns-211.awsdns-26.com ns-1564.awsdns-03.co.uk</div> Custom NS (4)	16 Jul 2021	1917421	<input type="checkbox"/>	<div>Renew</div>

Renew


Change NS


# Creating WordPress website and static IP in AWS Lightsail

← → ↺ 🔒

https://lightsail.aws.amazon.com/ls/webapp/home/networking


90% ⋮ ☆ 🏠 ⚙️ ⬇️ 📖 ABP 📧

 Amazon Lightsail

 Home

Docs

Account ▾

 AWS


Billing

Instances Databases **Networking** Storage Snapshots


Create static IP Create DNS zone Create load balancer Create distribution

[Learn more about network resources](#)


Sort by **Region** ▾ and then by **Type** ▾

 Global


DNS ZONES

 alexvel.pp.ua  
DNS zone

Global

 Virginia (us-east-1)

STATIC IP ADDRESSES

 StaticIp-final\_project\_devops  
Static IP

Attached to [WordPress-512MB-us-east-1a](#) 54.165.79.171  
Virginia, all zones

Questions? Comments?

©2008-2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#) English ▾

← → ↻ 🔒 alexvel.pp.ua

... ★ 🏠 ☆ 📁 ABP 📦 🔔 🔊

user's Blog! Just another WordPress site

Sample Page 🔍  
Search

UNCATEGORIZED

Hello visitor!

👤 By user

📅 June 15, 2020

💬 1 Comment

Actual version of our test application you can download [here](#).

Opening my-app-1.0-SNAPSHOT.jar

✕

You have chosen to open:

📄 my-app-1.0-SNAPSHOT.jar

which is: Executable Jar File (2.6 KB)  
from: https://s3.eu-central-1.amazonaws.com

Would you like to save this file?

Save File

Cancel

SEARCH

Archives

June 2020

Recent Posts

🏠 Manage



# 2<sup>nd</sup> AWS S3 Bucket

aws

Services ▾

alex-vern ▾

Global ▾

Support ▾

Amazon S3

×

Buckets

Access points

Batch Operations

Access analyzer for S3

Account settings for Block Public Access

Feature spotlight 2

Amazon S3

Buckets (2)

↺

Copy ARN



Empty

Delete

Create bucket

Find buckets by name

< 1 > ⚙

	Name ▲	Region ▼	Access ▼	Creation date ▼
<input type="radio"/>	alexvel.pp.ua	EU (Frankfurt) eu-central-1	 Public	October 18, 2020, 22:40 (UTC+03:00)
<input type="radio"/>	sparebucketalexvel	EU (Frankfurt) eu-central-1	 Public	November 9, 2020, 12:36 (UTC+02:00)

## Configuration of 2<sup>nd</sup> AWS S3 Bucket

aws

Services

alex-vern

Global

Support

Amazon S3

X

Buckets

Access points

Batch Operations

Access analyzer for S3

Account settings for Block Public Access

Feature spotlight 2

Amazon S3

>

sparebucketalexvel

sparebucketalexvel

Bucket overview

Region

EU (Frankfurt) eu-central-1

Amazon resource name (ARN)

arn:aws:s3:::sparebucketalexvel

Creation date

November 9, 2020, 12:36 (UTC+02:00)

Access

Public

Objects

Properties

Permissions

Metrics

Management

Access points

Drag and drop files and folders you want to upload here, or choose Upload.

Objects stored in certain storage classes might not be immediately accessible

Objects stored in archive storage classes: Glacier, Glacier Deep Archive, Intelligent-Tiering Archive Access tier, and Intelligent-Tiering Deep Archive Access tier require a restore request in order to access them. [Learn more](#)

Objects (3)

Refresh

Delete

Actions

Create folder

Upload

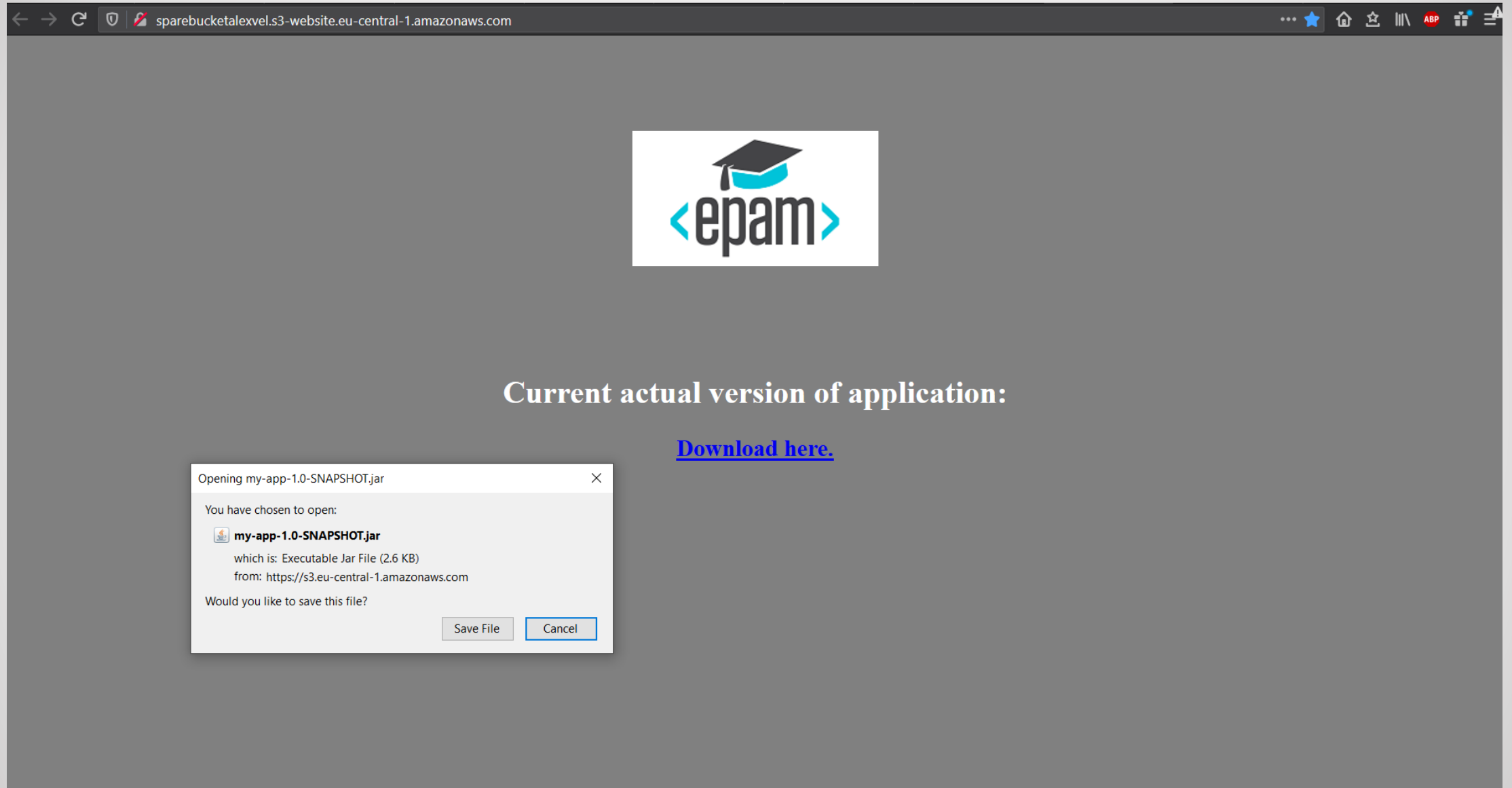
Find objects by prefix

< 1 >

Settings

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	epam-university-840_hRpqktN.png	png	November 9, 2020, 12:54 (UTC+02:00)	23.9 KB	Standard
<input type="checkbox"/>	error.html	html	November 9, 2020, 12:53 (UTC+02:00)	848.0 B	Standard
<input type="checkbox"/>	index.html	html	November 9, 2020, 12:53 (UTC+02:00)	924.0 B	Standard

## Static website at 2<sup>nd</sup> AWS S3 Bucket



# GitHub Webhook configuration

AlexOOP / simple-java-maven-app

Unwatch

1

Star

0

Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Options

Manage access

Security & analysis

Branches

Webhooks

Notifications

Integrations

Deploy keys

Actions

Secrets

Moderation settings

## Webhooks / Manage webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

### Payload URL \*

http://18.156.71.229:8080/github-webhook/

### Content type

application/json

### Secret

### Which events would you like to trigger this webhook?

- ☒ Just the push event.
- ☐ Send me **everything**.
- ☐ Let me select individual events.

### ☒ Active


We will deliver event details when this hook is triggered.

Update webhook


Delete webhook

## Common stage view of 1<sup>st</sup> job


← → ↺ 52.57.249.126:8080/job/simple-java-maven-app/ ... ☆ 🏠 ⚙️ ⬇️ 📄 ABP 📄


 **Jenkins**


?


nik  log out


Jenkins ▶ simple-java-maven-app ▶


 Back to Dashboard


 Status


 Changes


 Build Now


 Configure


 Delete Pipeline

 Full Stage View

 Open Blue Ocean

 Rename

 Pipeline Syntax

 **Build History**

trend ^


x

#23 Oct 20, 2020 7:07 PM

#22 Oct 20, 2020 6:53 PM

## Pipeline simple-java-maven-app

Pipeline demonstrates using Jenkins for building a simple Java application with Maven

 Recent Changes

### Stage View

	Declarative: Checkout SCM	Build	Test	Deliver
Average stage times: (Average full run time: ~46s)	964ms	8s	7s	17s
#23 Oct 20 22:07 No Changes	647ms	8s	6s	15s
#22 Oct 20 21:53 2 commits	1s	8s	7s	18s
#21 Oct 20 21:50 No Changes				

# Build stage

52.57.249.126:8080/blue/organizations/jenkins/simple-java-maven-app/detail/simple-java-maven-app/2/pipeline

simple-java-maven-app < 2

PipelineChangesTestsArtifactsLogout

Branch: —18sChanges by sanyochek13

Commit: —3 minutes agoStarted by user nik

StartBuildEnd

Build - 11s

Restart Build

✓ > Check out from version control<1s

✓ ▾ mvn -B -DskipTests clean package — Shell Script11s

1+ mvn -B -DskipTests clean package

2[INFO] Scanning for projects...

3[INFO]

4[INFO] -----

5[INFO] Building my-app 1.0-SNAPSHOT

6[INFO] -----

7[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/2.5/maven-clean-plugin-2.5.pom

8[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/2.5/maven-clean-plugin-2.5.pom (3.9 kB at 5.4 kB/s)

9[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/22/maven-plugins-22.pom

10[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/22/maven-plugins-22.pom (13 kB at 435 kB/s)

11[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/21/maven-parent-21.pom

12[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/21/maven-parent-21.pom (26 kB at 1.1 MB/s)

13[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/apache/10/apache-10.pom

14[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/apache/10/apache-10.pom (15 kB at 643 kB/s)

15[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/2.5/maven-clean-plugin-2.5.jar

16[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/2.5/maven-clean-plugin-2.5.jar (25 kB at 770 kB/s)

17[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/2.6/maven-resources-plugin-2.6.pom



18[INFO] Downloaded: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-resources-plugin/2.6/maven-resources-plugin-2.6.pom (8.1 kB at 193 kB/s)

19[INFO] Downloading: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/23/maven-plugins-23.pom

# Test stage

52.57.249.126:8080/blue/organizations/jenkins/simple-java-maven-app/detail/simple-java-maven-app/7/pipeline

Start Build Test End

Test - 5s [Restart Test](#)  





✓ mvn test — Shell Script 5s

```
1 + mvn test
2 [INFO] Scanning for projects...
3 [INFO]
4 [INFO] -----
5 [INFO] Building my-app 1.0-SNAPSHOT
6 [INFO] -----
7 [INFO]
8 [INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ my-app ---
9 [WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
10 [INFO] skip non existing resourceDirectory /var/jenkins_home/workspace/simple-java-maven-app/src/main/resources
11 [INFO]
12 [INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ my-app ---
13 [INFO] No sources to compile
14 [INFO]
15 [INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ my-app ---
16 [WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
17 [INFO] skip non existing resourceDirectory /var/jenkins_home/workspace/simple-java-maven-app/src/test/resources
18 [INFO]
19 [INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ my-app ---
20 [INFO] No sources to compile
21 [INFO]
22 [INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ my-app ---
23 [INFO] No tests to run.
24 [INFO] -----
25 [INFO] BUILD SUCCESS
26 [INFO] -----
27 [INFO] Total time: 1.840 s
28 [INFO] Finished at: 2020-10-20T12:36:23Z
29 [INFO] Final Memory: 7M/18M
30 [INFO] -----
```

# Delivery stage

← → ↺ 🔒 52.57.249.126:8080/blue/organizations/jenkins/simple-java-maven-app/detail/simple-java-maven-app/22/pipeline






simple-java-maven-app < 22




Pipeline Changes Tests Artifacts    Logout 


Branch: — 10m 30s Changes by sanyochek13

Commit: — 9 minutes ago Started by user nik

Start Build Test Deliver End

 —  —  —  — 

Deliver - 19s  Restart Deliver  

 > ./jenkins/scripts/deliver.sh — Shell Script 19s



# All stages log

← → ↺ 🔒 52.57.249.126:8080/blue/organizations/jenkins/simple-java-maven-app/detail/simple-java-maven-app/22/pipeline ... ☆ 🏠 ☆ ⬇ 📄 ABP 📄 ≡

✓ ▾ ./jenkins/scripts/deliver.sh — Shell Script 19s

```
468/621 kB | 295/500 kBProgress (2): 472/621 kB | 295/500 kBProgress (2): 476/621 kB | 295/500 kBProgress (2): 481/621 kB | 295/500 kBProgress (2): 485/621 kB | 295/500 kBProgress (2): 489/621 kB |
295/500 kBProgress (2): 493/621 kB | 295/500 kBProgress (2): 497/621 kB | 295/500 kBProgress (2): 501/621 kB | 295/500 kBProgress (2): 501/621 kB | 299/500 kBProgress (2): 501/621 kB | 303/500 kB
Progress (2): 501/621 kB | 307/500 kBProgress (2): 501/621 kB | 311/500 kBProgress (2): 501/621 kB | 315/500 kBProgress (2): 501/621 kB | 319/500 kBProgress (2): 501/621 kB | 324/500 kBProgress (2):
501/621 kB | 328/500 kBProgress (2): 501/621 kB | 332/500 kBProgress (2): 501/621 kB | 336/500 kBProgress (2): 501/621 kB | 340/500 kBProgress (2): 501/621 kB | 344/500 kBProgress (2): 501/621 kB |
348/500 kBProgress (2): 501/621 kB | 352/500 kBProgress (2): 501/621 kB | 356/500 kBProgress (2): 501/621 kB | 360/500 kBProgress (2): 501/621 kB | 365/500 kBProgress (2): 501/621 kB | 369/500 kB
Progress (2): 501/621 kB | 373/500 kBProgress (2): 501/621 kB | 377/500 kBProgress (2): 501/621 kB | 381/500 kBProgress (2): 501/621 kB | 385/500 kBProgress (2): 501/621 kB | 389/500 kBProgress (2):
501/621 kB | 393/500 kBProgress (2): 505/621 kB | 393/500 kBProgress (2): 509/621 kB | 393/500 kBProgress (2): 513/621 kB | 393/500 kBProgress (2): 517/621 kB | 393/500 kBProgress (2): 522/621 kB |
393/500 kBProgress (2): 526/621 kB | 393/500 kBProgress (2): 530/621 kB | 393/500 kBProgress (2): 534/621 kB | 393/500 kBProgress (2): 538/621 kB | 393/500 kBProgress (2): 542/621 kB | 393/500 kB
Progress (2): 546/621 kB | 393/500 kBProgress (2): 550/621 kB | 393/500 kBProgress (2): 554/621 kB | 393/500 kBProgress (2): 558/621 kB | 393/500 kBProgress (2): 562/621 kB | 393/500 kBProgress (2):
567/621 kB | 393/500 kBProgress (2): 571/621 kB | 393/500 kBProgress (2): 575/621 kB | 393/500 kBProgress (2): 579/621 kB | 393/500 kBProgress (2): 583/621 kB | 393/500 kBProgress (2): 587/621 kB |
393/500 kBProgress (2): 591/621 kB | 393/500 kBProgress (2): 595/621 kB | 393/500 kBProgress (2): 599/621 kB | 393/500 kBProgress (2): 599/621 kB | 397/500 kBProgress (2): 599/621 kB | 401/500 kB
Progress (2): 599/621 kB | 406/500 kBProgress (2): 599/621 kB | 410/500 kBProgress (2): 599/621 kB | 414/500 kBProgress (2): 599/621 kB | 418/500 kBProgress (2): 599/621 kB | 422/500 kBProgress (2):
599/621 kB | 426/500 kBProgress (2): 599/621 kB | 430/500 kBProgress (2): 599/621 kB | 434/500 kBProgress (2): 599/621 kB | 438/500 kBProgress (2): 599/621 kB | 442/500 kBProgress (2): 599/621 kB |
446/500 kBProgress (2): 599/621 kB | 451/500 kBProgress (2): 599/621 kB | 455/500 kBProgress (2): 599/621 kB | 459/500 kBProgress (2): 599/621 kB | 463/500 kBProgress (2): 599/621 kB | 467/500 kB
Progress (2): 599/621 kB | 471/500 kBProgress (2): 599/621 kB | 475/500 kBProgress (2): 599/621 kB | 479/500 kBProgress (2): 599/621 kB | 483/500 kBProgress (2): 599/621 kB | 487/500 kBProgress (2):
599/621 kB | 492/500 kBProgress (2): 599/621 kB | 496/500 kBProgress (2): 599/621 kB | 500 kBProgress (2): 603/621 kB | 500 kBProgress (2): 608/621 kB | 500 kBProgress (2): 612/621 kB | 500 kB
Progress (2): 616/621 kB | 500 kBProgress (2): 620/621 kB | 500 kBProgress (2): 621 kB | 500 kBDownloaded: https://repo.maven.apache.org/maven2/com/thoughtworks/xstream
/xstream/1.4.11.1/xstream-1.4.11.1.jar (621 kB at 1.3 MB/s)
247 Downloaded: https://repo.maven.apache.org/maven2/org/apache/commons/commons-lang3/3.7/commons-lang3-3.7.jar (500 kB at 1.0 MB/s)
248 [INFO] No artifact parameter specified, using 'com.mycompany.app:my-app:jar:1.0-SNAPSHOT' as project.
249 [INFO]
250 my-app
251 [INFO] -----
252 [INFO] BUILD SUCCESS
253 [INFO] -----
254 [INFO] Total time: 5.975 s
255 [INFO] Finished at: 2020-10-20T18:54:27Z
256 [INFO] Final Memory: 15M/36M
257 [INFO] -----
258 + set +x
259 The following complex command extracts the value of the <name/> element
260 within <project/> of your Java/Maven projects "pom.xml" file.
261 ++ grep '^{\['
262 ++ mvn help:evaluate -Dexpression=project.name
263 + NAME=my-app
264 + set +x
265 The following complex command behaves similarly to the previous one but
266 extracts the value of the <version/> element within <project/> instead.
267 ++ grep '^{\['
268 ++ mvn help:evaluate -Dexpression=project.version
269 + VERSION=1.0-SNAPSHOT
270 + set +x
271 The following command runs and outputs the execution of your Java
272 application (which Jenkins built using Maven) to the Jenkins UI.
273 + java -jar target/my-app-1.0-SNAPSHOT.jar
274 Hello World!
```

# 1<sup>st</sup> AWS S3 Bucket with uploaded .jar file

aws

Services ▾

alex-vern ▾

Global ▾

Support ▾

Amazon S3

×

Buckets

Access points

Batch Operations

Access analyzer for S3

Account settings for Block Public Access

Feature spotlight 2

Amazon S3 > alexvel.pp.ua

alexvel.pp.ua

Bucket overview

Region

EU (Frankfurt) eu-central-1

Amazon resource name (ARN)

arn:aws:s3:::alexvel.pp.ua

Creation date

October 18, 2020, 22:40 (UTC+03:00)

Access

Public

Objects

Properties

Permissions

Metrics

Management

Access points

Drag and drop files and folders you want to upload here, or choose Upload.

Objects stored in certain storage classes might not be immediately accessible

Objects stored in archive storage classes: Glacier, Glacier Deep Archive, Intelligent-Tiering Archive Access tier, and Intelligent-Tiering Deep Archive Access tier require a restore request in order to access them. [Learn more](#)

Objects (3)

Refresh

Delete

Actions ▾

Create folder

Upload

Objects are the fundamental entities stored in Amazon S3. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

< 1 > ⚙

<input type="checkbox"/>	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/>	jobs/	Folder	-	-	-
<input type="checkbox"/>	my-app-1.0-SNAPSHOT.jar	jar	November 14, 2020, 21:57 (UTC+02:00)	2.6 KB	Standard
<input type="checkbox"/>	testFile.txt	txt	October 19, 2020, 12:39 (UTC+03:00)	6.0 B	Standard

# Delivery of App to AWS S3 Bucket is done 😊

by Oleksandr Chanov