

# Jenkins deploy application with proxy web service

## 1. Use github repository

EugeneTereschenko / [piggymetrics](#)  
forked from [sqshq/piggymetrics](#)

Code Pull requests Actions Projects Security Insights Settings

Microservice Architecture with Spring Boot, Spring Cloud and Docker

Branch: master New pull request Create new file Upload files Find file Clone or download

Commit	Message	Date
sqshq Update README.md	Delete issue-template.md	2 years ago
account-service	add unit test for StatisticsServiceClientFallback	2 years ago
auth-service	#34 fixed exchange rates client in order to support API changes in ex...	2 years ago
config	Revert "Fix Monitoring server port missing"	9 months ago
gateway	#34 fixed exchange rates client in order to support API changes in ex...	2 years ago
mongodb	Fix MongoDB containers [init.sh]	10 months ago
monitoring	remove unused feature in monitoring service	2 years ago
notification-service	#34 fixed exchange rates client in order to support API changes in ex...	2 years ago
registry	centralize spring version in root pom file	2 years ago
statistics-service	fixed exchange rates test after the provider API change	2 years ago
turbine-stream-service	change artifact id to turbine-stream-service	2 years ago

Activities Firefox Web Browser ▾

чер 3 17:59

EugeneTereschenko/piggymetrics: Microservice Architecture with Spring Boot, Spring Cloud and Docker - Mozilla Firefox

Входящие | Мой диск - | Новый документ | Мой диск - | Connecting | DevOps\_S | MY Green Fo | Notes by Green | EugeneTe | upper 22-23 | EugeneTereschenko | Understanding | React - Java | Notes by Green | +

https://github.com/EugeneTereschenko/piggymetrics

.travis.yml Update .travis.yml 6 months ago  
LICENCE LICENCE added 4 years ago  
README.md Update README.md 4 months ago  
docker-compose.dev.yml add turbine stream service 2 years ago  
docker-compose.yml add turbine stream service 2 years ago  
pom.xml add turbine stream service module to parent pom 2 years ago

README.md

build passing codecov 79% license MIT chat on gitter

## Piggy Metrics

This is a tutorial project, which demonstrates [Microservice Architecture Pattern](#) using Spring Boot, Spring Cloud and Docker. With a pretty neat user interface, by the way.

INCOMES – EXPENSES

INCOMES STRUCTURE (3 333 USD /MONTH)

85%

SALARY

2 833 USD /MONTH

## 2. Install Jenkins on clouds with Amazon Instances

### 2.1 Installing java

The screenshot shows a Linux desktop environment with a terminal window open. The terminal window title is "Install Oracle Java 8 In Ubuntu Or Linux Mint Via PPA Repository [JDK8] - Web Upd8: Ubuntu / Linux blog - Mozilla Firefox". The terminal content is a script for installing Oracle Java 8, which includes instructions about the Oracle JDK License and links to alternative PPA repositories for Java 11, 13, 14, and 15. The terminal also shows the execution of the command "sudo apt-get update".

```
Activities Terminal ▾
Install Oracle Java 8 In Ubuntu Or Linux Mint Via PPA Repository [JDK8] - Web Upd8: Ubuntu / Linux blog - Mozilla Firefox
openvpnas@openvpnas2:~cher 7 11:44
Ask your administrator to install one of them.

openvpnas@openvpnas2:~$ openvpnas@openvpnas2:~$ sudo add-apt-repository ppa:webupd8team/java
The Oracle JDK License has changed for releases starting April 16, 2019.

The new Oracle Technology Network License Agreement for Oracle Java SE is substantially different from prior Oracle JDK licenses. The new license permits certain uses, such as personal use and development, use, at no cost -- but other uses authorized under prior Oracle JDK licenses may no longer be available. Please review the terms carefully before downloading and using this product. An FAQ is available here: https://www.oracle.com/technetwork/java/javase/overview/oracle-jdk-faqs.html

Oracle Java downloads now require logging in to an Oracle account to download Java updates, like the latest Oracle Java 8u211 / Java SE 8u212. Because of this I cannot update the PPA with the latest Java (and the old links were broken by Oracle).

For this reason, THIS PPA IS DISCONTINUED.

For Oracle Java 11, see a different PPA -> https://www.linuxuprising.com/2019/06/new-oracle-java-11-installer-for-ubuntu.html

That same PPA also has Oracle Java 13 -> https://www.linuxuprising.com/2019/09/install-oracle-java-13-on-ubuntu-linux.html

and Oracle Java 14 ->
https://www.linuxuprising.com/2020/03/how-to-install-oracle-java-14-jdk14-on.html

Old description:

Oracle Java (JDK) Installer (automatically downloads and installs Oracle JDK8). There are no actual Java files in this PPA.

Important -> Why Oracle Java 7 And 6 Installers No Longer Work: http://www.webupd8.org/2017/06/why-oracle-java-7-and-6-installers-no.html

Update: Oracle Java 9 has reached end of life: http://www.oracle.com/technetwork/java/javase/downloads/jdk9-downloads-3848520.html

The PPA supports Ubuntu 18.10, 18.04, 16.04, 14.04 and 12.04.

More info (and Ubuntu installation instructions):
- http://www.webupd8.org/2012/09/install-oracle-java-8-in-ubuntu-via-ppa.html

Debian installation instructions:
- Oracle Java 8: http://www.webupd8.org/2014/03/how-to-install-oracle-java-8-in-debian.html
- More info: https://launchpad.net/~webupd8team/+archive/ubuntu/java
Press [ENTER] to continue or Ctrl-c to cancel adding it.

Htt1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Htt4 http://as-repository.openvpn.net/as/debian bionic InRelease
Get:5 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [951 kB]
Get:6 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:7 http://ppa.launchpad.net/webupd8team/java/ubuntu bionic InRelease [15.4 kB]
Fetched 1218 kB in 1s (1557 kB/s)
Reading package lists... Done
openvpnas@openvpnas2:~$ sudo apt-get update
Htt1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Htt2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease
```

Activities Terminal ▾

Terminal

Install Oracle Java 8 In Ubuntu Or Linux Mint Via PPA Repository [JDK8] ~ Web Upd8: Ubuntu / Linux blog - Mozilla Firefox

openvpnas@openvpnas2: ~

```
apt install default-jre
apt install openjdk-11-jre-headless
apt install openjdk-8-jre-headless

Ask your administrator to install one of them.

openvpnas@openvpnas2:~$ apt install openjdk-8-jre-headless
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?
openvpnas@openvpnas2:~$ sudo apt install openjdk-8-jre-headless
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  linux-aws-headers-4.15.0-1045
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  ca-certificates-java fontconfig-config fonts-dejavu-core java-common libavahi-client3 libavahi-common-data libavahi-common3 libcurl2 libfontconfig1 libjpeg-turbo8 libjpeg8 liblcms2-2 libnspr4
  libnss3 libpccsclite1 libx11 libxrender1 libxtst6 x11-common
Suggested packages:
  default-jre cups-common liblcms2-utils pscsd libnss-mdns fonts-dejavu-extra fonts-ipafont-gothic fonts-ipafont-mincho fonts-wqy-microhei fonts-wqy-zenhei fonts-indic
The following NEW packages will be installed:
  ca-certificates-java fontconfig-config fonts-dejavu-core java-common libavahi-client3 libavahi-common-data libavahi-common3 libcurl2 libfontconfig1 libjpeg-turbo8 libjpeg8 liblcms2-2 libnspr4
  libnss3 libpccsclite1 libx11 libxrender1 libxtst6 openjdk-8-jre-headless x11-common
0 upgraded, 20 newly installed, 0 to remove and 68 not upgraded.
Need to get 38.7 MB of archives.
After this operation, 111 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libjpeg-turbo8 amd64 1.5.2-0ubuntu5.18.04.3 [110 kB]
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 java-common all 0.68ubuntu1-18.04.1 [14.5 kB]
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libavahi-common-data amd64 0.7-3.1ubuntu1.2 [22.1 kB]
Get:4 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libavahi-common3 amd64 0.7-3.1ubuntu1.2 [21.6 kB]
Get:5 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libavahi-client3 amd64 0.7-3.1ubuntu1.2 [25.2 kB]
Get:6 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libcurl2 amd64 2.2.7-1ubuntu2.8 [211 kB]
```

In Ubuntu, recommended packages are automatically installed, so "oracle-java8-set-default" should be installed when installing "oracle-java8-installer". In Linux Mint on the other hand, recommended packages are not installed by default, so you must install this package manually if you want to set Oracle Java 8 as default.

So, if you want to set Oracle Java 8 as default, no matter what other Java versions are installed, make sure that you install the "oracle-java8-set-default" package (which, again, should be automatically installed with the main Oracle Java Installer package in Ubuntu, but not in Linux Mint):

Linux terminal :\$  
sudo apt-get install oracle-java8-set-default

If you don't want to make Oracle Java 8 default (it might still be set as default, depending on

How To Flash Android (Flyme) On Meizu MX4 Ubuntu Edition · 4 weeks ago

3psilon Still works on Fedora 32, though I'm using Xorg, YMMV on Wayland.

How To Change The Mouse Scroll Wheel Speed In Linux Using imwheel [Quick Tip] · 4 weeks ago

Joseph Quijano Still works with Mint Linux Tricia.)

Activities Terminal ▾ 4ep 7 11:47

Install Oracle Java 8 In Ubuntu Or Linux Mint Via PPA Repository [JDK8] - Web Upd8: Ubuntu / Linux blog - Mozilla Firefox

openvpnas@openvpnas2: ~

```
Adding debian:Verisign_Class_3_Public_Primary_Certification_Authority_-_G3.pem
Adding debian:Certigna.pem
Adding debian:Hellenic_Academic_and_Research_Institutions_RootCA_2011.pem
Adding debian:Staat_der_Nederlanden_Root_CA_-_G3.pem
Adding debian:SSL_com_Root_Certification_Authority_RSA.pem
Adding debian:thawte_Primary_Root_CA_-_G2.pem
Adding debian:Starfield_Root_Certificate_Authority_-_G2.pem
Adding debian:LuxTrust_Global_Root_2.pem
done.
Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
Processing triggers for systemd (237-3ubuntu10.38) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ca-certificates (20190110-18.04.1) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...

done.
done.
Setting up openjdk-8-jre-headless:amd64 (8u252-b09-1~18.04) ...
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/rmid to provide /usr/bin/rmid (rmid) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/java to provide /usr/bin/java (java) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/keytool to provide /usr/bin/keytool (keytool) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/jjstl to provide /usr/bin/jjstl (jjstl) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/pack200 to provide /usr/bin/pack200 (pack200) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/rmiregistry to provide /usr/bin/rmiregistry (rmiregistry) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/unpack200 to provide /usr/bin/unpack200 (unpack200) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/orbd to provide /usr/bin/orbd (orbd) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/servertool to provide /usr/bin/servertool (servertool) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/tnameserv to provide /usr/bin/tnameserv (tnameserv) in auto mode
update-alternatives: using /usr/lib/jvm/java-8-openjdk-amd64/jre/lib/jexec to provide /usr/bin/jexec (jexec) in auto mode
openvpnas@openvpnas2: ~$
```

package: oracle-java8-installer

In Ubuntu, recommended packages are automatically installed, so "oracle-java8-set-default" should be installed when installing "oracle-java8-installer". In Linux Mint on the other hand, recommended packages are not installed by default, so you must install this package manually if you want to set Oracle Java 8 as default.

So, if you want to set Oracle Java 8 as default, no matter what other Java versions are installed, make sure that you install the "oracle-java8-set-default" package (which, again, should be automatically installed with the main Oracle Java Installer package in Ubuntu, but not in Linux Mint):

```
Linux terminal:~$  
sudo apt-get install oracle-java8-set-default
```

If you don't want to make Oracle Java 8 default (it might still be set as default, depending on

How To Flash Android (Flyme) On Meizu MX4 Ubuntu Edition · 4 weeks ago

3psilon Still works on Fedora 32, though I'm using Xorg, YMMV on Wayland.

How To Change The Mouse Scroll Wheel Speed In Linux Using imwheel [Quick Tip] · 4 weeks ago

Joseph Quijano Still works with Mi Linux Tricia.)

## 2.2 Installing Jenkins

Activities Terminal ▾

cher 7 11:57

Installing Jenkins on AWS EC2 (Ubuntu 18.04) - KRYPTONIAN - Medium - Mozilla Firefox

openvnpnas@openvnpnas2: ~

```
Building dependency tree
Reading state information... Done
ca-certificates is already the newest version (20190110-18.04.1).
The following package was automatically installed and is no longer required:
  linux-aws-headers-4.15.0-1045
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 68 not upgraded.
openvnpnas@openvnpnas2:~$ sudo apt-get update
Hit:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease
Ign:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:5 http://as-repository.openvpn.net/as/debian bionic InRelease
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [195 B]
Hit:8 http://ppa.launchpad.net/webupd8team/java/ubuntu bionic InRelease
Hit:9 http://security.ubuntu.com/ubuntu bionic-security InRelease
Ign:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg
Reading package lists... Done
W: GPG error: https://pkg.jenkins.io/debian-stable binary/ Release: The following signatures couldn't be verified because the public key is not available: NO_PUBKEY 9B7D32F2D50582E6
E: The repository 'https://pkg.jenkins.io/debian-stable binary/ Release' is not signed.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
openvnpnas@openvnpnas2:~$ wget --no-check-certificate -qO - http://pkg.jenkins-ci.org/debian/jenkins-ci.org.key | sudo apt-key add -
OK
openvnpnas@openvnpnas2:~$ sudo apt-get update
Hit:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease
Ign:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:5 http://as-repository.openvpn.net/as/debian bionic InRelease
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [195 B]
Hit:8 http://ppa.launchpad.net/webupd8team/java/ubuntu bionic InRelease
Hit:9 http://security.ubuntu.com/ubuntu bionic-security InRelease
Get:10 https://pkg.jenkins.io/debian-stable binary/ Packages [17.4 kB]
Fetched 19.7 kB in 1s (31.3 kB/s)
Reading package lists... Done
openvnpnas@openvnpnas2:~$ sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  linux-aws-headers-4.15.0-1045
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  daemon
The following NEW packages will be installed:
  daemon jenkins
0 upgraded, 2 newly installed, 0 to remove and 68 not upgraded.
Need to get 64.9 MB of archives.
After this operation, 66.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

Activities

Terminal ▾

чср 7 12:00

en ▾



```
Hit:9 http://security.ubuntu.com/ubuntu bionic-security InRelease
Get:10 https://pkg.jenkins.io/debian-stable binary/ Packages [17.4 kB]
Fetched 19.7 kB in 0s (31.3 kB/s)
Reading package lists... Done
openvpnas@openvpnas2:~$ sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  linux-aws-headers-4.15.0-1045
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  daemon
The following NEW packages will be installed:
  daemon jenkins
0 upgraded, 2 newly installed, 0 to remove and 68 not upgraded.
Need to get 64.9 MB of archives.
After this operation, 66.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 daemon amd64 0.6.4-1build1 [99.5 kB]
Get:2 https://pkg.jenkins.io/debian-stable binary/ jenkins 2.222.4 [64.8 MB]
Fetched 64.9 MB in 32s (2056 kB/s)
Selecting previously unselected package daemon.
(Reading database ... 139922 files and directories currently installed.)
Preparing to unpack .../daemon_0.6.4-1build1_amd64.deb ...
Unpacking daemon (0.6.4-1build1) ...
Selecting previously unselected package jenkins.
Preparing to unpack .../jenkins_2.222.4_all.deb ...
Unpacking jenkins (2.222.4) ...
Setting up daemon (0.6.4-1build1) ...
Setting up jenkins (2.222.4) ...
Processing triggers for systemd (237-3ubuntu10.38) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
openvpnas@openvpnas2:~$ sudo systemctl start jenkins
openvpnas@openvpnas2:~$ sudo systemctl status jenkins
● jenkins.service - LSB: Start Jenkins at boot time
  Loaded: loaded (/etc/init.d/jenkins; generated)
  Active: active (exited) since Sun 2020-06-07 08:58:14 UTC; 1min 49s ago
    Docs: man:systemd-sysv-generator(8)
    Tasks: 0 (limit: 1152)
   CGroup: /system.slice/jenkins.service
Jun 07 08:58:12 openvpnas2 systemd[1]: Starting LSB: Start Jenkins at boot time...
Jun 07 08:58:13 openvpnas2 jenkins[14088]: Correct java version found
Jun 07 08:58:13 openvpnas2 jenkins[14088]: * Starting Jenkins Automation Server jenkins
Jun 07 08:58:13 openvpnas2 su[14180]: Successful su for jenkins by root
Jun 07 08:58:13 openvpnas2 su[14180]: + ??? root:jenkins
Jun 07 08:58:13 openvpnas2 su[14180]: pam_unix(su:session): session opened for user jenkins by (uid=0)
Jun 07 08:58:13 openvpnas2 su[14180]: pam_unix(su:session): session closed for user jenkins
Jun 07 08:58:14 openvpnas2 jenkins[14088]: ...done.
Jun 07 08:58:14 openvpnas2 systemd[1]: Started LSB: Start Jenkins at boot time.
openvpnas@openvpnas2:~$ 
```

Activities Firefox Web Browser ▾

Sign in [Jenkins] - Mozilla Firefox

черт 7 12:10

New Tab How to Install Ju Доступные DevOps\_SP\_ Входящие Мой диск - Networking Jenkins dept Instances | E AWS CloudF Installing Jen gpg: no valid OpenVPN: H Sign in [Je X +

Getting Started

# Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

`/var/lib/jenkins/secrets/initialAdminPassword`

Please copy the password from either location and paste it below.

Administrator password

.....



Continue



## Getting Started



# Customize Jenkins

Plugins extend Jenkins with additional features to support many different needs.

## Install suggested plugins

Install plugins the Jenkins community finds most useful.

## Select plugins to install

Select and install plugins most suitable for your needs.



Activities Firefox Web Browser ▾

чтв 7 12:11

SetupWizard [Jenkins] - Mozilla Firefox

New Tab | How to Install Jenkins | Доступные | DevOps\_SP\_ | Входящие | Мой диск | Networking | Jenkins deployment | Instances | AWS CloudFront | Installing Jenkins | gpg: no valid OpenVPN: No SetupWizard X +

Getting Started

# Getting Started

✓ Folders	✓ OWASP Markup Formatter	Build Timeout	Credentials Binding
Timestamper	Workspace Cleanup	Ant	Gradle
Pipeline	GitHub Branch Source	Pipeline: GitHub Groovy Libraries	Pipeline: Stage View
Git	Subversion	SSH Build Agents	Matrix Authorization Strategy
PAM Authentication	LDAP	Email Extension	Mailer

\*\* Trilead API  
Folders  
OWASP Markup Formatter  
\*\* Oracle Java SE Development Kit Installer  
\*\* Structs  
\*\* Pipeline: Step API

\*\* - required dependency

Jenkins 2.222.4



New Tab

How to Install...

Доступные

DevOps\_SP

Входящие

Мой диск -

Networking

Jenkins dep

Instances |

AWS CloudF

Installing Je

gpg: no valid

OpenVPN: |

SetupWi | X

EugeneTere



10.0.9.11:8080



## Getting Started

## Create First Admin User

Username: Password: Confirm password: Full name: E-mail address:



## Getting Started

## Instance Configuration

Jenkins URL:

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD\_URL environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

## 2.3 Add Docker plugging

Activities Firefox Web Browser ▾ cher 7 12:15 Update Center [Jenkins] - Mozilla Firefox

New Tab How to Install Доступные DevOps\_SF Входящие Мой диск Networking Jenkins dep Instances AWS Cloud Installing gpg: no val! OpenVPN... Update C X EugeneTere +

10.0.9.11:8080/pluginManager/available

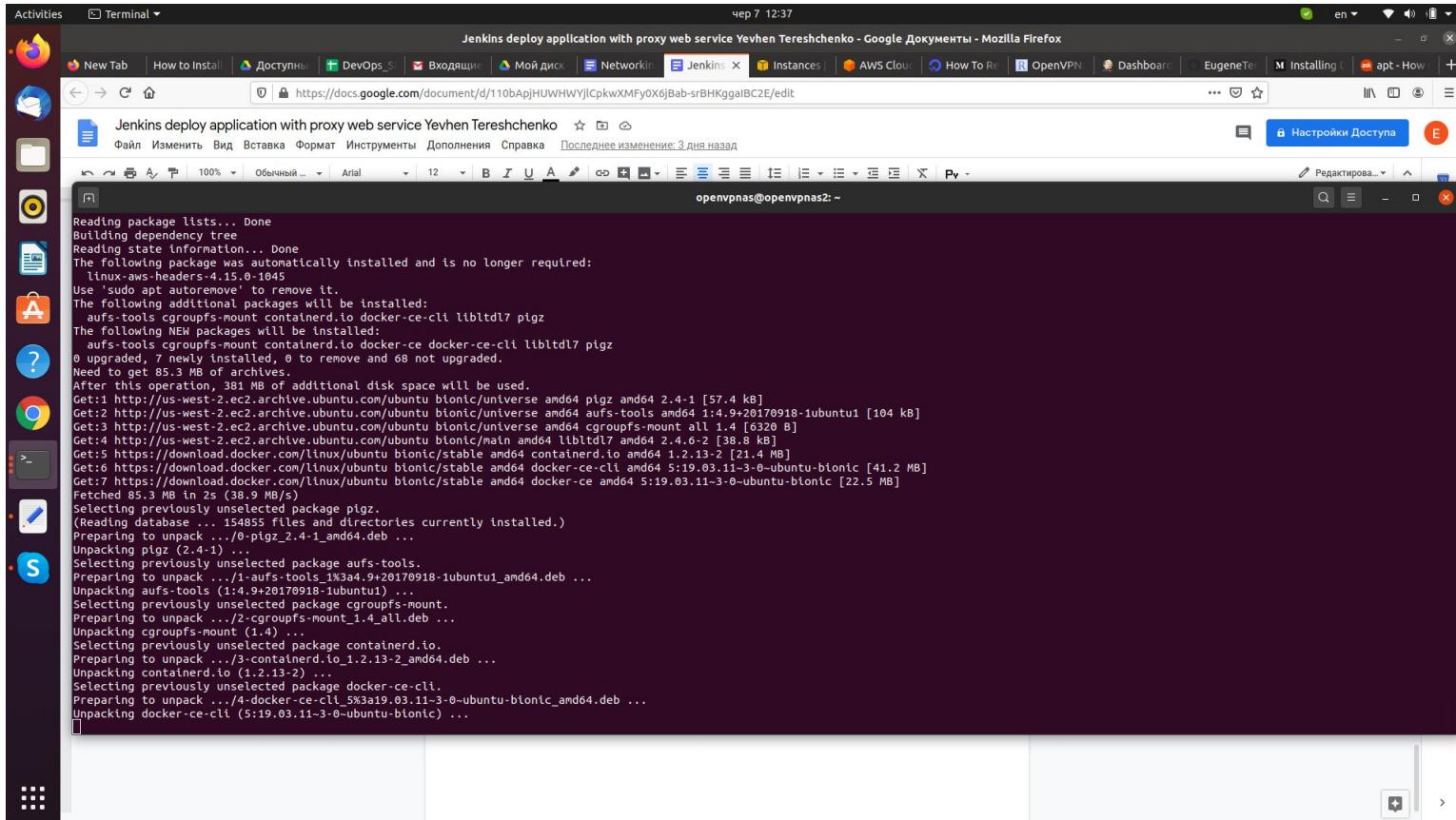
Jenkins > Plugin Manager

<a href="#">CRX Content Package Deployer</a>	<input type="checkbox"/>	Provides build steps and other magic to support package deployment and configuration management for Adobe Granite applications (CQ5.4+, AEM 5.6.1+, CRX 2.1+).	1.9
<a href="#">DaticalDB4Jenkins</a>	<input type="checkbox"/>	DaticalDB4Jenkins provides a simple, intuitive way to run Datical DB during your Jenkins build.	2.0.41
<a href="#">Debian Package Builder</a>	<input type="checkbox"/>	This plugin helps create debian packages	1.6.11
Warning: This plugin version may not be safe to use. Please review the following security notices:			
<ul style="list-style-type: none"><li>Credentials stored in plain text</li></ul>			
<a href="#">OWASP Dependency-Check</a>	<input type="checkbox"/>	This plug-in can independently execute a <a href="#">Dependency-Check</a> analysis and visualize results. Dependency-Check is a utility that identifies project dependencies and checks if there are any known, publicly disclosed, vulnerabilities.	5.1.1
<a href="#">Distributed Testing</a>	<input type="checkbox"/>	This plugin is used for distributed testing on multiple hosts.	1.0
<a href="#">CloudBees Docker Build and Publish</a>	<input type="checkbox"/>	This plugin enables building Dockerfile based projects, as well as publishing of the built images/repos to the <a href="#">docker</a> registry.	1.3.2
<a href="#">docker-build-step</a>	<input checked="" type="checkbox"/>	This plugin allows to add various docker commands to your job as build steps.	2.4
<a href="#">Doxygen</a>	<input type="checkbox"/>	This plugin publishes the reports generated by the <a href="#">Doxygen</a> tool.	0.18
<a href="#">Dr. Memory</a>	<input type="checkbox"/>	This plugin integrates Dr. Memory reports to Jenkins.	1.12
<a href="#">DTKit</a>	<input type="checkbox"/>	This plugin provides converts reports in one format to another format.	2.1.3
<a href="#">TraceTronic ECU-TEST</a>	<input type="checkbox"/>	This plugin integrates Jenkins with <a href="#">ECU-TEST</a> and generates reports on automated test execution.	2.16
<a href="#">eggPlant</a>	<input type="checkbox"/>	Allows easy configuration to run eggPlant scripts and view results in Jenkins.	2.2
Warning: This plugin version may not be safe to use. Please review the following security notices:			
<a href="#">Install without restart</a>		<a href="#">Download now and install after restart</a>	Update information obtained: 16 min ago
		<a href="#">Check now</a>	

docker

Highlight All Match Case Match Diacritics Whole Words 9 of 95 matches

## 2.4 Install Docker



Activities Terminal \* чер 7 12:40

openvpnas@openvpnas2: ~

```
Unpacking docker-ce (5:19.03.11-3~ubuntu-bionic) ...
Selecting previously unselected package libltdl7:amd64.
Preparing to unpack .../6-libltdl7_2.4.6-2_amd64.deb ...
Unpacking libltdl7:amd64 (2.4.6-2) ...
Setting up aufs-tools (1:4.9+20170918-1ubuntu1) ...
Setting up containerd.io (1.2.13-2) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.
Setting up cgroupsfs-mount (1.4) ...
Setting up libltdl7:amd64 (2.4.6-2) ...
Setting up docker-ce-cli (5:19.03.11-3~ubuntu-bionic) ...
Setting up pigz (2.4-1) ...
Setting up docker-ce (5:19.03.11-3~ubuntu-bionic) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.
Processing triggers for libc-bin (2.27-3ubuntu1) ...
Processing triggers for systemd (237-3ubuntu10.38) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
openvpnas@openvpnas2:~$ 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 Sun 2020-06-07 09:37:43 UTC; 29s ago
    Docs: https://docs.docker.com
  Main PID: 21716 (dockerd)
    Tasks: 8
   CGroup: /system.slice/docker.service
           └─21716 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Jun 07 09:37:42 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:42.568372502Z" level=warning msg="Your kernel does not support swap memory limit"
Jun 07 09:37:42 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:42.568647257Z" level=warning msg="Your kernel does not support cgroup rt period"
Jun 07 09:37:42 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:42.568785944Z" level=warning msg="Your kernel does not support cgroup rt runtime"
Jun 07 09:37:42 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:42.569102422Z" level=info msg="Loading containers: start."
Jun 07 09:37:42 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:42.759999886Z" level=info msg="Default bridge (docker0) is assigned with an IP address 172.17.0.0/16. Daemon option --bip can be used to
Jun 07 09:37:42 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:42.999686959Z" level=info msg="Loading containers: done."
Jun 07 09:37:43 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:43.302287394Z" level=info msg="Docker daemon" commit=42e35e61f3 graphdriver(s)=overlay2 version=19.03.11
Jun 07 09:37:43 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:43.302988746Z" level=info msg="Daemon has completed initialization"
Jun 07 09:37:43 openvpnas2 systemd[1]: Started Docker Application Container Engine.
Jun 07 09:37:43 openvpnas2 dockerd[21716]: time="2020-06-07T09:37:43.379039366Z" level=info msg="API listen on /var/run/docker.sock"
openvpnas@openvpnas2:~$ maven

Command 'maven' not found, did you mean:

  command 'aven' from deb survex-aven
  command 'raven' from deb python3-raven

Try: apt install <deb name>

openvpnas@openvpnas2:~$ mvn

Command 'mvn' not found, but can be installed with:

apt install maven
Please ask your administrator.

openvpnas@openvpnas2:~$ sudo apt install maven
```

## 2.5 Install maven

```
Activities Terminal ▾
openvpnas@openvpnas2: ~
cher 7 12:43
Selecting previously unselected package libsisu-inject-java.
Preparing to unpack .../27-libsisu-inject-java_0.3.2-2_all.deb ...
Unpacking libsisu-inject-java (0.3.2-2) ...
Selecting previously unselected package libsisu-plexus-java.
Preparing to unpack .../28-libsisu-plexus-java_0.3.3-3_all.deb ...
Unpacking libsisu-plexus-java (0.3.3-3) ...
Selecting previously unselected package libmaven3-core-java.
Preparing to unpack .../29-libmaven3-core-java_3.6.0-1-18.04.1_all.deb ...
Unpacking libmaven3-core-java (3.6.0-1-18.04.1) ...
Selecting previously unselected package libwagon-file-java.
Preparing to unpack .../30-libwagon-file-java_3.0.0-2_all.deb ...
Unpacking libwagon-file-java (3.0.0-2) ...
Selecting previously unselected package libwagon-http-shaded-java.
Preparing to unpack .../31-libwagon-http-shaded-java_3.0.0-2_all.deb ...
Unpacking libwagon-http-shaded-java (3.0.0-2) ...
Selecting previously unselected package maven.
Preparing to unpack .../32-maven_3.6.0-1-18.04.1_all.deb ...
Unpacking maven (3.6.0-1-18.04.1) ...
Setting up libsf4aj-java (1.7.25-3) ...
Setting up libplexus-classworlds-java (2.5.2-2) ...
Setting up libhawtjni-runtime-java (1.15-2) ...
Setting up libplexus-cipher-java (1.7-3)
Setting up libplexus-interpolation-java (1.24-1) ...
Setting up libplexus-component-annotations-java (1.7.1-7) ...
Setting up libplexus-utils2-java (3.0.24-3) ...
Setting up libwagon-provider-api-java (3.0.0-2) ...
Setting up libjsr305-java (0.1-5wnd9-10)
Setting up libgeronimo-interceptor-3.0-spec-java (1.0.1-4fakesync) ...
Setting up libjvenv-resolver-java (1.1.1-18.04)
Setting up libjansi-native-java (1.7-1) ...
Setting up libwagon-http-shaded-java (3.0.0-2) ...
Setting up libapache-pom-java (18-1) ...
Setting up libatinject-jsr330-api-java (1.0+ds1-5) ...
Setting up libmaven-parent-java (31-2-18.04) ...
Setting up libaopalliance-java (20070526-6) ...
Setting up libgeronimo-annotation-1.3-spec-java (1.0-1) ...
Setting up libcommons-cli-java (1.4-1) ...
Setting up libplexus-sec-dispatcher-java (1.4-3) ...
Setting up libjansi-java (19.16-1) ...
Setting up libguava-java (19.0-1) ...
Setting up libwagon-file-java (3.0.0-2) ...
Setting up libcommons-parent-java (43-1) ...
Setting up libcdi-api-java (1.2-2) ...
Setting up libcommons-lang3-java (3.8-1-18.04.2) ...
Setting up libcommons-io-java (2.6-2) ...
Setting up libguice-java (4.0-4) ...
Setting up libmaven-shared-utils-java (3.3.0-1-18.04) ...
Setting up libsisu-inject-java (0.3.2-2) ...
Setting up libsisu-plexus-java (0.3.3-3) ...
Setting up libmaven3-core-java (3.6.0-1-18.04.1) ...
Setting up maven (3.6.0-1-18.04.1) ...
update-alternatives: using /usr/share/maven/bin/mvn to provide /usr/bin/mvn (mvn) in auto mode
openvpnas@openvpnas2:~$
```

## 2.6 Create project at the Jenkins

The screenshot shows a Linux desktop environment with a dark theme. A Firefox browser window is open, displaying the Jenkins 'New Item' creation dialog. The URL in the address bar is `10.0.9.11:8080/view/all/newJob`. The Jenkins interface is visible, showing various project types and their descriptions. On the left, there is a vertical docked application menu with icons for various tools like Docker, NetworkMiner, and AWS CloudWatch.

New Item [Jenkins] - Mozilla Firefox

cher 7 12:46

New Tab | How to Install | Доступны | DevOps\_S | Входящий | Мой диск | NetworkMiner | Jenkins de | Instances | AWS Cloud | How To Re | R OpenVPN | New It... | EugeneTe | M Installing | Piggymet...

10.0.9.11:8080/view/all/newJob

Jenkins | All >

Enter an item name

Piggymetrics

**Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

**Pipeline**  
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

**Multi-configuration project**  
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

**Folder**  
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

**GitHub Organization**  
Scans a GitHub organization (or user account) for all repositories matching some defined markers.

**Multibranch Pipeline**  
Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

Page generated: Jun 7, 2020 9:46:34 AM UTC REST API Jenkins ver. 2.222.4

docker

Highlight All Match Case Match Diacritics Whole Words 2 of 95 matches

## 2.7 Configure Jenkins

The screenshot shows the Jenkins configuration interface for the 'Piggymetrics' job. The left sidebar contains various Jenkins management icons. The main content area has a header 'Piggymetrics Config [Jenkins] - Mozilla Firefox' with a timestamp 'чес 7 12:48'. Below the header, the 'General' tab is selected, showing several configuration options:

- GitHub project
- This build requires lockable resources
- This project is parameterized
- Throttle builds
- Disable this project
- Execute concurrent builds if necessary

On the right side of the General tab, there are five small circular icons with question marks and arrows pointing outwards.

Below the General tab, the 'Source Code Management' section is visible, showing the 'Git' configuration:

- None
- Git

The 'Repositories' section contains a 'Repository URL' field with the value <https://github.com/EugeneTereschenko/piggymetrics> and a 'Credentials' dropdown set to `tereschenko.eugene@gmail.com/*****`. There are 'Advanced...' and 'Add Repository' buttons.

The 'Branches to build' section shows a 'Branch Specifier (blank for 'any')' field containing `*/master`. There is an 'X' button to clear the field and an 'Add Branch' button.

At the bottom of the configuration page, there is a 'Repository browser' dropdown set to '(Auto)', a 'Save' button, an 'Apply' button, and an 'Add' button.

The bottom navigation bar includes search and filter functions: 'docker', 'Highlight All', 'Match Case', 'Match Diacritics', 'Whole Words', and '2 of 95 matches'.

Activities Firefox Web Browser ▾

чес 7 12:49

Piggymetrics Config [Jenkins] - Mozilla Firefox

New Tab | How to Install | Доступны | DevOps\_S | Входящие | Мой диск | Networkin | Jenkins de | Instances | AWS Cloud | How To Re | OpenVPN: | Piggym | EugeneTer | Installing | Piggymetr | +

10.0.9.11:8080/job/Piggymetrics/configure

Jenkins > Piggymetrics

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

### Build

Invoke top-level Maven targets

Goals: clean install -Dmaven.test.skip=true -P production

Advanced...

Execute shell

Command:

See the list of available environment variables

Advanced...

Add build step ▾

### Post-build Actions

Add post-build action ▾

Save Apply

Page generated: Jun 7, 2020 9:48:06 AM UTC REST API Jenkins ver. 2.222.4

docker

Highlight All Match Case Match Djacritics Whole Words 2 of 95 matches

Activities Terminal ▾

чеснок 7 12:50

Piggymetrics Config [Jenkins] - Mozilla Firefox

New Tab | How to Install | Доступны | DevOps\_S | Входящие | Мой диск | Networkin | Jenkins de | Instances | AWS Cloud | How To Re | OpenVPN: Piggy... | EugeneTe | M Installing | Piggymetri | +

Jenkins > Piggymetrics >

General Source Code Management

GNU nano 2.9.3 script.sh Modified

```
#!/bin/bash
sudo -S <<< "123456" docker-compose -f docker-compose.yml -f docker-compose.dev.yml up
```

drwxrwxr-x 8 yevhen yevhen 4096 тра 24 17:20
drwxrwxr-x 5 yevhen yevhen 4096 тра 24 18:06
drwxrwxr-x 3 yevhen yevhen 4096 чер 5 20:53
drwxr-xr-x 3 yevhen yevhen 4096 тра 19 14:20
drwxrwxr-x 4 yevhen yevhen 4096 тра 25 14:29
drwx----- 5 yevhen yevhen 4096 тра 19 14:25
drwxr-xr-x 2 yevhen yevhen 4096 тра 19 14:26
drwx----- 3 yevhen yevhen 4096 тра 31 16:57
drwxrwxr-x 2 yevhen yevhen 4096 чер 4 14:17
drwx----- 2 yevhen yevhen 4096 тра 20 15:22
drwxr-xr-x 2 yevhen yevhen 28672 чер 7 12:49
drwxrwxr-x 15 yevhen yevhen 4096 тра 24 18:01
drwx----- 3 yevhen yevhen 4096 тра 19 14:29
-rw-r--r-- 1 yevhen yevhen 834 тра 25 14:33
drwxr-xr-x 2 yevhen yevhen 4096 тра 19 14:26
-rw----- 1 yevhen yevhen 0 тра 19 16:41
-rwxrwxrwx 1 yevhen yevhen 101 чер 3 18:36
drwxrwxr-x 10 yevhen yevhen 4096 тра 25 12:37
drwxrwxr-x 2 yevhen yevhen 4096 тра 21 16:24
-rw-rw-r-- 1 yevhen yevhen 72 тра 24 14:18
drwxr-xr-x 5 yevhen yevhen 4096 тра 24 17:58
drwx----- 2 yevhen yevhen 4096 тра 20 13:19
-rw-rw-r-- 1 yevhen yevhen 0 тра 24 17:59
drwxrwxr-x 3 yevhen yevhen 4096 тра 25 14:29
-rw-r--r-- 1 yevhen yevhen 0 тра 19 14:26
drwxrwxr-x 2 yevhen yevhen 4096 тра 13 19:39
drwxrwxr-x 2 yevhen yevhen 4096 чер 4 14:08
drwxr-xr-x 2 yevhen yevhen 4096 тра 19 14:26
-rw-rw-r-- 1 yevhen yevhen 12838 тра 28 19:12
-rw-rw-r-- 1 yevhen yevhen 4668 тра 28 19:18
-rw-rw-r-- 1 yevhen yevhen 12840 тра 28 19:24
drwxr-xr-x 2 yevhen yevhen 4096 тра 19 14:20
drwxrwxr-x 6 yevhen yevhen 4096 тра 29 17:26
-rw-rw-r-- 1 yevhen yevhen 207 тра 25 10:46
drwxrwxr-x 4 yevhen yevhen 4096 чер 5 22:53
-rw-rw-r-- 1 yevhen yevhen 204 тра 25 12:37

yevhen@yevhen-Lenovo-tdeapad-320-15ISK:~\$ cat

```
#!/bin/bash
```

sudo -S <<< "123456" docker-compose -f docker-

yevhen@yevhen-Lenovo-tdeapad-320-15ISK:~\$

Get Help Write Out Where Is Cut Text Justify Cur Pos Undo Mark Text To Bracket

Read File Replace Uncut Text To Linter Go To Line Redo Copy Text WhereIs Next

Highlight All Match Case Exit

dns ver. 2.222.4

Activities Firefox Web Browser ▾

Чер 7 12:51

Piggymetrics Config [Jenkins] - Mozilla Firefox

New Tab | How to Install | Доступны | DevOps\_S | Входящие | Мой диск | Networkin | Jenkins de | Instances | AWS Cloud | How To Re | OpenVPN | Piggym | EugeneTer | Installing | Piggymetr | +

10.0.9.11:8080/job/Piggymetrics/configure

Jenkins > Piggymetrics >

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

### Build

Invoke top-level Maven targets

Goals: `clean install -Dmaven.test.skip=true -P production`

Execute shell

Command: `/home/openvpnas/script.sh`

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

Add build step ▾

### Post-build Actions

Add post-build action ▾

Save Apply

Page generated: Jun 7, 2020 9:48:06 AM UTC REST API Jenkins ver. 2.222.4

docker ▾ Highlight All Match Case Match Diacritics Whole Words 2 of 95 matches

The screenshot shows a Jenkins configuration page for a job named 'Piggymetrics'. The 'Build' section is active, displaying two build steps: 'Invoke top-level Maven targets' and 'Execute shell'. The 'Invoke top-level Maven targets' step has the goal set to 'clean install -Dmaven.test.skip=true -P production'. The 'Execute shell' step has the command set to '/home/openvpnas/script.sh'. Below these steps is a link to 'See the list of available environment variables'. At the bottom of the build section is a 'Add build step' dropdown. The 'Post-build Actions' section contains an 'Add post-build action' dropdown. At the very bottom of the page are 'Save' and 'Apply' buttons.

Activities Firefox Web Browser 12:58

Piggymetrics Config [Jenkins] - Mozilla Firefox

New Tab How to Install Доступны DevOps\_... Входящие Мой диск Networkin Jenkins Instances AWS Cloud How To Re... OpenVPN... Piggym... Eugene Ter... Installing Piggym... +

10.0.9.11:8080/job/Piggymetrics/configure

Jenkins > Piggymetrics >

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

GitHub hook trigger for GITScm polling  
 Poll SCM

Schedule H/15 \* \* \* \*

Would last have run at Sunday, June 7, 2020 9:42:32 AM UTC; would next run at Sunday, June 7, 2020 9:57:32 AM UTC.

Ignore post-commit hooks

**Build Environment**

Delete workspace before build starts

Advanced...

Use secret text(s) or file(s)  
 Abort the build if it's stuck  
 Add timestamps to the Console Output  
 Inspect build log for published Gradle build scans  
 With Ant

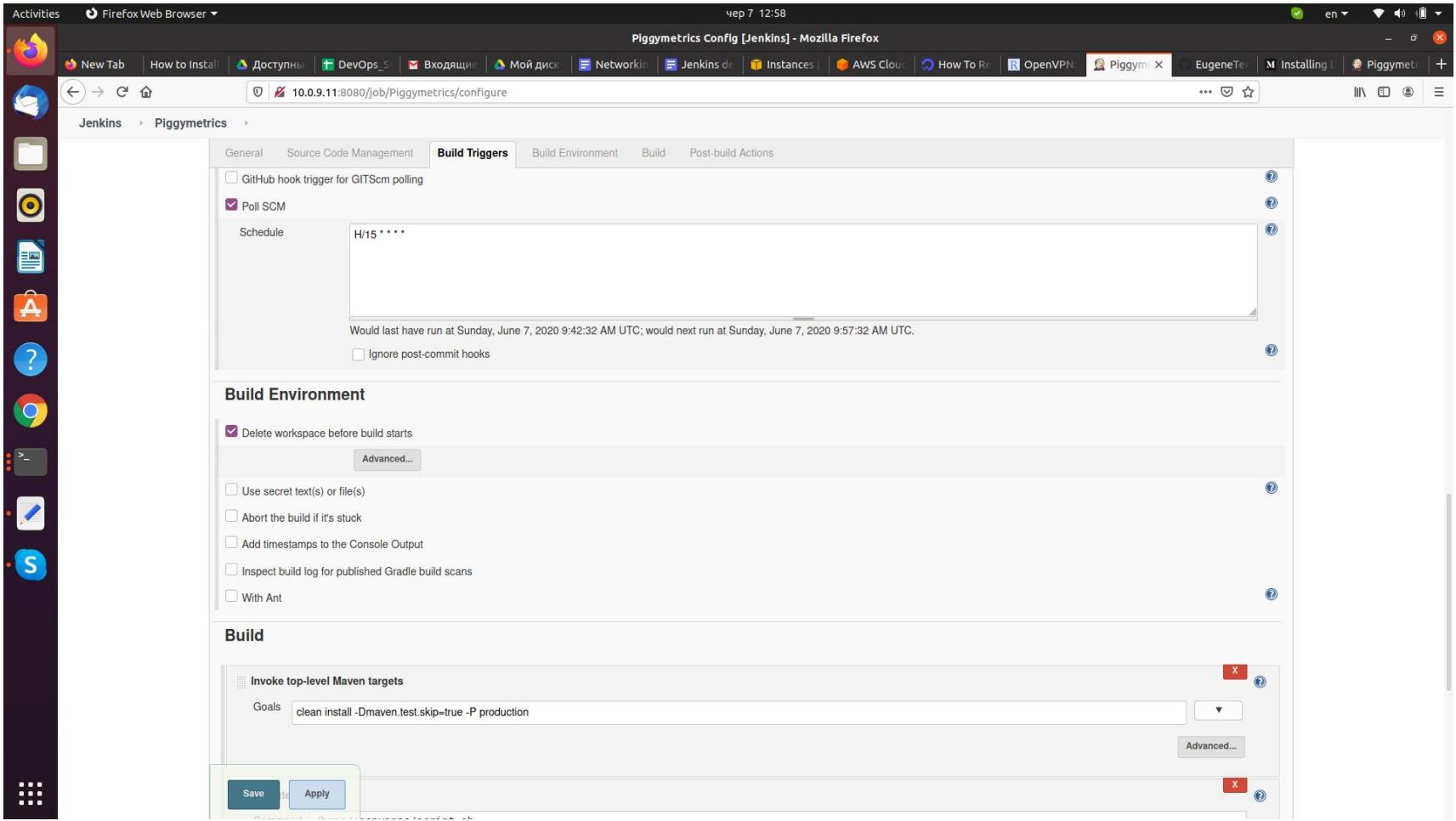
**Build**

Invoke top-level Maven targets

Goals clean install -Dmaven.test.skip=true -P production

Advanced...

Save Apply





New EC2 Experience  
Tell us what you think

EC2 Dashboard New

Events New

Tags

Reports

Limits

▼ INSTANCES

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Scheduled Instances

Capacity Reservations

▼ IMAGES

AMIs

Bundle Tasks

▼ ELASTIC BLOCK STORE

Volumes

Snapshots

Lifecycle Manager

▼ NETWORK & SECURITY

Security Groups New

Elastic IPs New

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
<input type="checkbox"/>	i-062d21d93042d3d3f	i-062d21d93042d3d3f	t2.micro	us-west-2a	running	⚠ 1/2 checks passed	None		54.188.205.92	-	dev-vpn-eu-we
<input type="checkbox"/>	i-0c99e510de368a088	i-0c99e510de368a088	t2.micro	us-west-2a	terminated		None		-	-	aws_keys

Instance: i-062d21d93042d3d3f Elastic IP: 54.188.205.92

Description Status Checks Monitoring Tags Usage Instructions

CloudWatch alarms: No alarms configured

Create Alarm

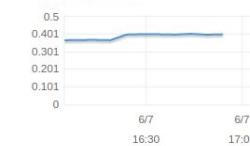
CloudWatch metrics: Basic monitoring. [Enable Detailed Monitoring](#)

Showing data for: Last Hour

↻

Below are your CloudWatch metrics for the selected resources (a maximum of 10). Click on a graph to see an expanded view. All times shown are in UTC. [View all CloudWatch metrics](#)

CPU Utilization (Percent)



Disk Reads (Bytes)



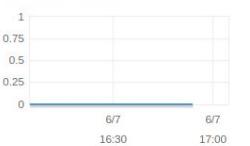
Disk Read Operations (Operations)



Disk Writes (Bytes)



Disk Write Operations (Operations)



Network In (Bytes)

...

Network Out (Bytes)

...

Network Packets In (Count)

...

Network Packets Out (Count)

...

Status Check Failed (Any) (Count)

...



New EC2 Experience  
Tell us what you think

### EC2 Dashboard New

Events New

Tags

Reports

Limits

### INSTANCES

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts New

Scheduled Instances

Capacity Reservations

### IMAGES

AMIs

Bundle Tasks

### ELASTIC BLOCK STORE

Volumes

Snapshots

Lifecycle Manager

### NETWORK & SECURITY

Security Groups New

Elastic IPs New

Storage (GB)

Local Instance storage

Storage type

Storage disk count

EBS encryption support  
supported

### Accelerators

GPUs

GPU memory (GiB)

GPU manufacturer

GPU name

FPGAs

FPGA memory (GiB)

FPGA manufacturer

FPGA name

### Pricing

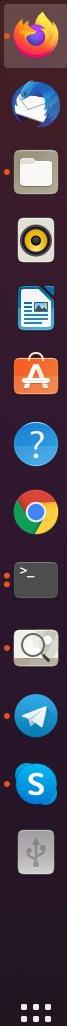
On-Demand Linux pricing

0.0116 USD per Hour

On-Demand Windows pricing

0.0162 USD per Hour





## Piggymetrics #9 Console [Jenkins] - Mozilla Firefox

localhost:8080/job/Piggymetrics/9/console

Jenkins > Piggymetrics > #9

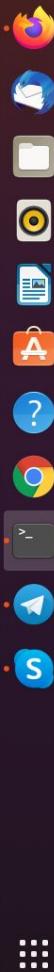
```
[[1;34mINFO[m]
[[1;34mINFO[m] [1m--- [0;32mmaven-surefire-plugin:2.21.0:test[m [1m(default-test)[m @ [36mturbine-stream-service[0;1m ---[m
[[1;34mINFO[m] Tests are skipped.
[[1;34mINFO[m]
[[1;34mINFO[m] [1m--- [0;32mmaven-jar-plugin:3.0.2:jar[m [1m(default-jar)[m @ [36mturbine-stream-service[0;1m ---[m
[[1;34mINFO[m] Building jar: /var/lib/jenkins/workspace/Piggymetrics/turbine-stream-service/target/turbine-stream-service-0.0.1-SNAPSHOT.jar
[[1;34mINFO[m]
[[1;34mINFO[m] [1m--- [0;32mspring-boot-maven-plugin:2.0.3.RELEASE:repackage[m [1m(default)[m @ [36mturbine-stream-service[0;1m ---[m
[[1;34mINFO[m] Replacing main artifact /var/lib/jenkins/workspace/Piggymetrics/turbine-stream-service/target/turbine-stream-service-0.0.1-SNAPSHOT.jar to /var/lib/jenkins/workspace/Piggymetrics/turbine-stream-service/target/turbine-stream-service.jar
[[1;34mINFO[m]
[[1;34mINFO[m] [1m--- [0;32mmaven-install-plugin:2.5.2:install[m [1m(default-install)[m @ [36mturbine-stream-service[0;1m ---[m
[[1;34mINFO[m] Installing /var/lib/jenkins/workspace/Piggymetrics/turbine-stream-service/target/turbine-stream-service.jar to /var/lib/jenkins/.m2/repository/com/piggymetrics/turbine-stream-service/0.0.1-SNAPSHOT/turbine-stream-service-0.0.1-SNAPSHOT.jar
[[1;34mINFO[m] Installing /var/lib/jenkins/workspace/Piggymetrics/turbine-stream-service/pom.xml to /var/lib/jenkins/.m2/repository/com/piggymetrics/turbine-stream-service/0.0.1-SNAPSHOT/turbine-stream-service-0.0.1-SNAPSHOT.pom
[[1;34mINFO[m] [1m-----[m
[[1;34mINFO[m] [1mReactor Summary:[m
[[1;34mINFO[m]
[[1;34mINFO[m] piggymetrics 1.0-SNAPSHOT ..... [[1;32mSUCCESS[m [ 0.662 s]
[[1;34mINFO[m] config 1.0.0-SNAPSHOT ..... [[1;32mSUCCESS[m [ 5.413 s]
[[1;34mINFO[m] monitoring 0.0.1-SNAPSHOT ..... [[1;32mSUCCESS[m [ 1.427 s]
[[1;34mINFO[m] registry 0.0.1-SNAPSHOT ..... [[1;32mSUCCESS[m [ 1.286 s]
[[1;34mINFO[m] gateway 1.0-SNAPSHOT ..... [[1;32mSUCCESS[m [ 1.261 s]
[[1;34mINFO[m] auth-service 1.0-SNAPSHOT ..... [[1;32mSUCCESS[m [ 2.197 s]
[[1;34mINFO[m] account-service 1.0-SNAPSHOT ..... [[1;32mSUCCESS[m [ 1.863 s]
[[1;34mINFO[m] statistics-service 1.0-SNAPSHOT ..... [[1;32mSUCCESS[m [ 1.697 s]
[[1;34mINFO[m] notification-service 1.0.0-SNAPSHOT ..... [[1;32mSUCCESS[m [ 1.540 s]
[[1;34mINFO[m] turbine-stream-service 0.0.1-SNAPSHOT ..... [[1;32mSUCCESS[m [ 1.232 s]
[[1;34mINFO[m] [1m-----[m
[[1;34mINFO[m] [1;32mBUILD SUCCESS[m
[[1;34mINFO[m] [1m-----[m
[[1;34mINFO[m] Total time: 19.384 s
[[1;34mINFO[m] Finished at: 2020-06-03T20:47:28+03:00
[[1;34mINFO[m] [1m-----[m
[[1;33mWARNING[m] The requested profile "production" could not be activated because it does not exist.
[Piggymetrics] $ /bin/sh -xe /tmp/jenkins9338088594088312573.sh
+ /home/yevhen/script2.sh
[sudo] password for jenkins: Building notification-mongodb
Step 1/6 : FROM mongo:3
3: Pulling from library/mongo
*
```

Activities

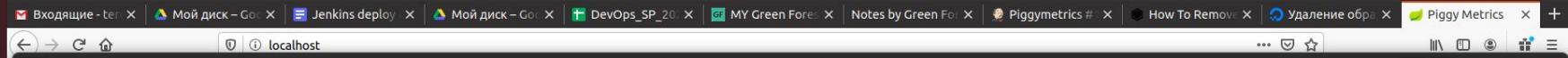
Terminal ▾

чес 3 21:30

en ▾



## Piggy Metrics - Mozilla Firefox



yevhen@yevhen-Lenovo-ideapad-320-15ISK: ~

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
<b>NAMES</b>					
6fb804c8aace	sqshq/piggymetrics-gateway	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes	0.0.0.0:80->4000/tcp
4b970aa4fa24	sqshq/piggymetrics-account-service	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes	0.0.0.0:6000->6000/tcp
4ca3bdcea1b	sqshq/piggymetrics-auth-service	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes	0.0.0.0:5000->5000/tcp
177dc5af65e7	sqshq/piggymetrics-registry	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes	0.0.0.0:8761->8761/tcp
3b237d5373df	sqshq/piggymetrics-statistics-service	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes	0.0.0.0:7000->7000/tcp
9c44abebbcbb2	sqshq/piggymetrics-monitoring	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes	0.0.0.0:9000->8080/tcp
73e083fd692a	sqshq/piggymetrics-turbine-stream-service	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes	0.0.0.0:8989->8989/tcp
3a4d263bbd2b	sqshq/piggymetrics-notification-service	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes	0.0.0.0:8000->8000/tcp
2f5d0cafca13	sqshq/piggymetrics-mongodb	"/initx.sh"	19 minutes ago	Up 19 minutes	0.0.0.0:26000->27017/tcp
a4fbf3f48cc2	rabbitmq3-management	"docker-entrypoint.s..."	19 minutes ago	Up 19 minutes	4369/tcp, 5671/tcp, 0.0.0.0:5672->5672/tcp, 15671/tcp, 25672/tcp, 0.
0.0.0.0:15672->15672/tcp	piggymetrics_rabbitmq_1				
d56b0705767e	sqshq/piggymetrics-mongodb	"/initx.sh"	19 minutes ago	Up 19 minutes	0.0.0.0:25000->27017/tcp
bc538e3a1ec9	sqshq/piggymetrics-auth-mongodb	"/initx.sh"	19 minutes ago	Up 19 minutes	0.0.0.0:28000->27017/tcp
ce92adb95798	sqshq/piggymetrics-mongodb	"/initx.sh"	19 minutes ago	Up 19 minutes	0.0.0.0:27000->27017/tcp
bdb23316dd4b	sqshq/piggymetrics-statistics-mongodb_1	"java -Xmx200m -jar ..."	19 minutes ago	Up 19 minutes (healthy)	0.0.0.0:8888->8888/tcp
yevhen@yevhen-Lenovo-ideapad-320-15ISK: ~					

Activities Firefox Web Browser ▾ en en

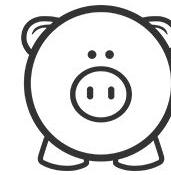
чер 3 21:30

Piggy Metrics - Mozilla Firefox

Входящие - ten X Мой диск – Goo X Jenkins deploy X Мой диск – Goo X DevOps\_SP\_20 X MY Green Fore X Notes by Green Fo X Piggymetrics # X How To Remove X Удаление обра X Piggy Metrics X +

localhost

... 🌐 ⚡



PIGGY  
METRICS



enter your login

OR [CREATE NEW ACCOUNT](#)

### 3. Use nginx proxy

The screenshot shows a Linux desktop environment with a terminal window open. The terminal output is as follows:

```
yevhen@yevhen-Lenovo-ideapad-320-15ISK:~$ sudo docker image list
REPOSITORY          TAG      IMAGE ID      CREATED       SIZE
sqshq/piggymetrics-monitoring    latest   cfa3c4ad79b5  28 minutes ago  343MB
sqshq/piggymetrics-notification-service  latest   9a80b7025d31  28 minutes ago  367MB
sqshq/piggymetrics-turbine-stream-service  latest   a57a6b0bf0a   28 minutes ago  356MB
sqshq/piggymetrics-gateway        latest   7a2b0b9b9353b  28 minutes ago  356MB
sqshq/piggymetrics-account-service  latest   36bfabb898d4  28 minutes ago  367MB
sqshq/piggymetrics-registry       latest   0bc55d8aaf85  28 minutes ago  356MB
sqshq/piggymetrics-auth-service   latest   b5238f57a6a8  28 minutes ago  361MB
sqshq/piggymetrics-statistics-service  latest   83265f8881ae  29 minutes ago  367MB
sqshq/piggymetrics-config         latest   88d409a5d50e  29 minutes ago  340MB
sqshq/piggymetrics-mongodb       latest   12f4374f247   29 minutes ago  470MB
java                            8-jre    e44d62cf8862  3 years ago   311MB

yevhen@yevhen-Lenovo-ideapad-320-15ISK:~$ cd docker-nginx/
yevhen@yevhen-Lenovo-ideapad-320-15ISK:~/docker-nginx$ cat default.conf
server {
    listen 8184;
    listen [::]:8184;
    server_name localhost;

    access_log /var/log/nginx/reverse-access.log;
    error_log /var/log/nginx/reverse-error.log;

    location / {
        proxy_pass http://192.168.1.87:80;
    }
}
yevhen@yevhen-Lenovo-ideapad-320-15ISK:~/docker-nginx$ sudo docker run --name docker-nginx -p 8184:8184 -v ~/docker-nginx/html:/usr/share/nginx/html -v ~/docker-nginx/default.conf:/etc/nginx/conf.d/default.conf -d nginx
```

enter your login

OR CREATE NEW ACCOUNT

## Piggy Metrics - Mozilla Firefox

yevhen@yevhen-Lenovo-ideapad-320-15ISK: ~

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
<b>NAMES</b>					
272bece45285	nginx	"/docker-entrypoint..."	26 minutes ago	Up 26 minutes	80/tcp, 0.0.0.0:8184->8184/tcp
78a5e6c84459	sqshq/piggymetrics-turbine-stream-service	"java -Xmx200m -jar ..."	28 minutes ago	Up 28 minutes	0.0.0.0:8989->8989/tcp
6310d5f7137e	sqshq/piggymetrics-gateway	"java -Xmx200m -jar ..."	28 minutes ago	Up 28 minutes	0.0.0.0:80->4000/tcp
fb92e238370d	sqshq/piggymetrics-statistics-service	"java -Xmx200m -jar ..."	28 minutes ago	Up 28 minutes	0.0.0.0:7000->7000/tcp
ef3cfe47ea38	sqshq/piggymetrics-registry	"java -Xmx200m -jar ..."	28 minutes ago	Up 28 minutes	0.0.0.0:8761->8761/tcp
62d4bea99ed1	sqshq/piggymetrics-auth-service	"java -Xmx200m -jar ..."	28 minutes ago	Up 28 minutes	0.0.0.0:5000->5000/tcp
f7a79d19a8ad	sqshq/piggymetrics-account-service	"java -Xmx200m -jar ..."	28 minutes ago	Up 28 minutes	0.0.0.0:6000->6000/tcp
29bb01b20a7f	sqshq/piggymetrics-monitoring	"java -Xmx200m -jar ..."	28 minutes ago	Up 28 minutes	0.0.0.0:9000->8080/tcp
2adc2c48197b	sqshq/piggymetrics-notification-service	"java -Xmx200m -jar ..."	28 minutes ago	Up 28 minutes	0.0.0.0:8000->8000/tcp
f0c2493dc1cb	sqshq/piggymetrics-mongodb	"/initx.sh"	29 minutes ago	Up 29 minutes	0.0.0.0:25000->27017/tcp
a24089598908	sqshq/piggymetrics-mongodb	"/initx.sh"	29 minutes ago	Up 29 minutes	0.0.0.0:26000->27017/tcp
9fa970a2e9e2	sqshq/piggymetrics-config	"java -Xmx200m -jar ..."	29 minutes ago	Up 29 minutes (healthy)	0.0.0.0:8888->8888/tcp
66f8a940ed42	sqshq/piggymetrics-mongodb	"/initx.sh"	29 minutes ago	Up 29 minutes	0.0.0.0:27000->27017/tcp
43010f781e68	rabbitmq:3-management	"docker-entrypoint.s..."	29 minutes ago	Up 29 minutes	4369/tcp, 5671/tcp, 0.0.0.0:5672->5672/tcp, 15671/tcp, 25672/tcp
, 0.0.0.0:15672->15672/tcp	piggymetrics_rabbitmq_1				
45897be55520	sqshq/piggymetrics-mongodb	"/initx.sh"	29 minutes ago	Up 29 minutes	0.0.0.0:28000->27017/tcp
<b>yevhen@yevhen-Lenovo-ideapad-320-15ISK: ~\$ sudo docker ps -a</b>					



## PIGGY METRICS



### INCOMES



SALARY  
42 000 \$ / PER YEAR



SCHOLARSHIP  
500 \$ / PER MONTH



### EXPENSES



GAS  
240 \$ / PER MONTH



VACATION  
3 500 € / PER YEAR



PHONE  
30 € / PER MONTH



GYM  
700 \$ / PER YEAR

### SAVINGS



MY SPARE MONEY  
AT THE MOMENT

5 900 \$



ACCUMULATION ACCOUNT

INTEREST  
3.32 %



MONTHLY CAPITALIZATION

▼ FORTH ▲ BACK

SAVE CHANGES