

# Maven :Docker nexus3

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## nexus3

```
develop@ubuntu: ~$ docker search nexus3
```

NAME	DESCRIPTION
STARS	OFFICIAL
AUTOMATED	
sonatype/nexus3	Sonatype Nexus Repository Manager 3
697	
shifudao/nexus3	clone from nexus3 image but based from openj...
4	[ OK]
madmuffin/nexus3	Sonatype Nexus3 Milestone7 docker image
2	[ OK]
home1oss/nexus3	An auto configured nexus3
2	[ OK]
fxinnovation/nexus3	Sonatype Nexus 3 in a container
1	[ OK]
flavioaiello/nexus3	Production ready lightweight Nexus3 with API...
1	[ OK]
cirepo/nexus3	An auto configured nexus3
1	[ OK]
alvindaiyan/nexus3- azure- appservice	
1	
dwolla/nexus3- crowd	Nexus3 with nexus3-crowd-plugin installed
0	[ OK]
joshdvir/nexus3	nexus3
0	[ OK]
freckleiot/nexus3- oss	A Sonatype Nexus3 OSS image which makes it e...
0	[ OK]
sdase/nexus3- base- image	An opinionated nexus3 docker image, based on...
0	[ OK]
fgbulsoni/nexus3	My fork of the Sonatype/Nexus3 image, with a...
0	

stocksoftware/nexus3	A nexus3 docker instance
0	[ OK]
azaa1/nexus3	Sonatype Nexus Repository Manager 3
0	
salte/nexus3	Extends the Sonatype nexus3 Docker image by ...
0	[ OK]
mritd/nexus3	nexus3
0	[ OK]
desiato/nexus3-ssl	Sonatype Nexus 3 with SSL/TLS support.
0	[ OK]
lokkju/nexus3-github-auth	Sonatype Nexus 3 with Github authentication ...
0	[ OK]
jullyannem/nexus3	Custom image for sonatype/nexus3
0	
bigseasre/nexus3	mirror of the original nexus3 dockerfile
0	
darthhater/nexus3	A series of example Dockerfiles and images f...
0	[ OK]
amribrahim00/nexus3	
0	
enieuw/nexus3-oss	nexus3-oss
0	[ OK]
nasajon/nexus3	Nexus3
0	[ OK]

## nexus3

```
develop@ubuntu: ~$ docker search sonatype/nexus3
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
develop@ubuntu: ~\$ docker image pull sonatype/nexus3				
Using default tag: latest				
latest: Pulling from sonatype/nexus3				
c65691897a4d: Pull complete				
641d7cc5cbc4: Pull complete				
c508b13320cd: Pull complete				
79e3bf9d3132: Pull complete				
Digest: sha256:2c33632ccd8f8c5f9023a3d7f5f541e271833e402219f8c5a83a29d1721457ca				
Status: Downloaded newer image for sonatype/nexus3: latest				

```
docker.io/sonatype/nexus3:latest
```

```
develop@ubuntu: ~$ docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
tomcat	8.5.47	882487b8be1d	12 days ago	507MB
ubuntu	16.04	b9409899fe86	12 days ago	122MB
ubuntu	18.04	cf0f3ca922e0	12 days ago	64.2MB
node	10.16.3	a68faf70e589	13 days ago	904MB
mysql	5.7.28	cd3ed0dfff7e	13 days ago	437MB
nginx	1.17.4	5a9061639d0a	13 days ago	126MB
redis	5.0.6	de25a81a5a0b	2 weeks ago	98.2MB
sonatype/nexus3	latest	8eb898be2a53	3 weeks ago	611MB
centos	8	0f3e07c0138f	4 weeks ago	220MB
busybox	latest	19485c79a9bb	8 weeks ago	1.22MB
centos	7	67fa590cfc1c	2 months ago	202MB
centos	7.6.1810	f1cb7c7d58b7	7 months ago	202MB
centos	6	d0957ffdf8a2	7 months ago	194MB

# docker nexus3

## history

```
develop@ubuntu: ~$ docker image history sonatype/nexus3:latest
```

IMAGE SIZE	CREATED COMMENT	CREATED BY
8eb898be2a53 0B	3 weeks ago	/bin/sh -c #(nop) CMD ["sh" "-c" "\${SONATYP...
<missing> 0B	3 weeks ago	/bin/sh -c #(nop) ENV INSTALL4J_ADD_VM_PARA...
<missing> 0B	3 weeks ago	/bin/sh -c #(nop) USER nexus
<missing> 0B	3 weeks ago	/bin/sh -c #(nop) EXPOSE 8081
<missing> 0B	3 weeks ago	/bin/sh -c #(nop) VOLUME [/nexus-data]

<missing>	3 weeks ago	5 NEXUS_DOWNLOAD_SHA256_HASH=7a2e62848abeb0...
403MB		
<missing>	3 weeks ago	/bin/sh -c #(nop) ADD file:96a8726e4f3ee18b6...
1.97kB		
<missing>	3 weeks ago	/bin/sh -c #(nop) ARG NEXUS_REPOSITORY_MANA...
0B		
<missing>	3 weeks ago	/bin/sh -c #(nop) ARG NEXUS_REPOSITORY_MANA...
0B		
<missing>	3 weeks ago	/bin/sh -c #(nop) ENV NEXUS_HOME=/opt/sonat...
0B		
<missing>	3 weeks ago	/bin/sh -c #(nop) ENV SONATYPE_DIR=/opt/son...
0B		
<missing>	3 weeks ago	/bin/sh -c #(nop) ARG NEXUS_DOWNLOAD_SHA256...
0B		
<missing>	3 weeks ago	/bin/sh -c #(nop) ARG NEXUS_DOWNLOAD_URL=ht...
0B		
<missing>	3 weeks ago	/bin/sh -c #(nop) ARG NEXUS_VERSION=3.19.1-...
0B		
<missing>	3 weeks ago	/bin/sh -c #(nop) LABEL vendor=Sonatype mai...
0B		
<missing>	6 weeks ago	
3.55kB		
<missing>	6 weeks ago	
208MB	Imported from -	

## inspect

```
develop@ubuntu: ~$ docker image inspect sonatype/nexus3:latest
[
  {
    "Id":
"sha256: 8eb898be2a53434ed2310948ef1d4eb52d8298d400f0414d1fc5448cb10c1dc1",
    "RepoTags": [
      "sonatype/nexus3:latest"
    ],
    "RepoDigests": [
      "sonatype/nexus3@sha256: 2c33632ccd8f8c5f9023a3d7f5f541e271833e402219f8c5a83a29d1721457ca"
```

```

],
"Parent": "",
"Comment": "",
"Created": "2019-10-09T16:17:15.370913182Z",
"Container":
"e313220b483cfb870091d005efa119f8349d671b132191eff68523eb8a0412fe",
"ContainerConfig": {
  "Hostname": "a3a96c4a2d45",
  "Domainname": "",
  "User": "nexus",
  "AttachStdin": false,
  "AttachStdout": false,
  "AttachStderr": false,
  "ExposedPorts": {
    "8081/tcp": {}
  },
  "Tty": false,
  "OpenStdin": false,
  "StdinOnce": false,
  "Env": [

"PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
    "container=oci",
    "SONATYPE_DIR=/opt/sonatype",
    "NEXUS_HOME=/opt/sonatype/nexus",
    "NEXUS_DATA=/nexus-data",
    "NEXUS_CONTEXT=",
    "SONATYPE_WORK=/opt/sonatype/sonatype-work",
    "DOCKER_TYPE=rh-docker",
    "INSTALL4J_ADD_VM_PARAMS=-Xms1200m -Xmx1200m -XX:MaxDirectMemorySize=2g -
Djava.util.prefs.userRoot=/nexus-data/javaprefs"
  ],
  "Cmd": [
    "/bin/sh",
    "-c",
    "#(nop) ",
    "CMD [\"sh\" \"-c\" \"\${SONATYPE_DIR}/start-nexus-repository-
manager.sh\"]"
  ],

```

```

    "ArgsEscaped": true,
    "Image":
"sha256: 4394c38c7fba645a92c4f96d71f05c9dcee3cd2259e7a45e69a655cafd775db4",
    "Volumes": {
        "/nexus-data": {}
    },
    "WorkingDir": "",
    "Entrypoint": null,
    "OnBuild": [],
    "Labels": {
        "architecture": "x86_64",
        "authoritative-source-url": "registry.access.redhat.com",
        "build-date": "2019-09-16T12:28:55.971236",
        "com.redhat.build-host": "cpt-
1001.osbs.prod.upshift.rdu2.redhat.com",
        "com.redhat.component": "ubi8-container",
        "com.redhat.license_terms": "https://www.redhat.com/en/about/red-hat-end-user-
license-agreements#UBI",
        "com.sonatype.license": "Apache License, Version 2.0",
        "com.sonatype.name": "Nexus Repository Manager base image",
        "description": "The Universal Base Image is designed and engineered to be the
base layer for all of your containerized applications, middleware and utilities. This base
image is freely redistributable, but Red Hat only supports Red Hat technologies through
subscriptions for Red Hat products. This image is maintained by Red Hat and updated
regularly.",
        "distribution-scope": "public",
        "io.k8s.description": "The Universal Base Image is designed and engineered to
be the base layer for all of your containerized applications, middleware and utilities. This
base image is freely redistributable, but Red Hat only supports Red Hat technologies through
subscriptions for Red Hat products. This image is maintained by Red Hat and updated
regularly.",
        "io.k8s.display-name": "Red Hat Universal Base Image 8",
        "io.openshift.expose-services": "",
        "io.openshift.tags": "base rhel8",
        "maintainer": "Sonatype <cloud-ops@sonatype.com>",
        "name": "ubi8",
        "release": "208",
        "summary": "Provides the latest release of Red Hat Universal Base Image
8. ",

```

```

"url": "https://access.redhat.com/containers/#/registry.access.redhat.com/ubi8/images/8.0-208",

    "vcs-ref": "592956edf47ff0ce45123f240898eabb469ac836",
    "vcs-type": "git",
    "vendor": "Sonatype",
    "version": "8.0"
}
},
"DockerVersion": "18.09.6",
"Author": "",
"Config": {
    "Hostname": "a3a96c4a2d45",
    "Domainname": "",
    "User": "nexus",
    "AttachStdin": false,
    "AttachStdout": false,
    "AttachStderr": false,
    "ExposedPorts": {
        "8081/tcp": {}
    },
    "Tty": false,
    "OpenStdin": false,
    "StdinOnce": false,
    "Env": [

"PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
        "container=oci",
        "SONATYPE_DIR=/opt/sonatype",
        "NEXUS_HOME=/opt/sonatype/nexus",
        "NEXUS_DATA=/nexus-data",
        "NEXUS_CONTEXT=",
        "SONATYPE_WORK=/opt/sonatype/sonatype-work",
        "DOCKER_TYPE=rh-docker",
        "INSTALL4J_ADD_VM_PARAMS=-Xms1200m -Xmx1200m -XX:MaxDirectMemorySize=2g -Djava.util.prefs.userRoot=/nexus-data/javaprefs"
    ],
    "Cmd": [
        "sh",
        "-c",

```

```

    "${SONATYPE_DIR}/start-nexus-repository-manager.sh"
  ],
  "ArgsEscaped": true,
  "Image":
"sha256: 4394c38c7fba645a92c4f96d71f05c9dcee3cd2259e7a45e69a655cafd775db4",
  "Volumes": {
    "/nexus-data": {}
  },
  "WorkingDir": "",
  "Entrypoint": null,
  "OnBuild": [],
  "Labels": {
    "architecture": "x86_64",
    "authoritative-source-url": "registry.access.redhat.com",
    "build-date": "2019-09-16T12:28:55.971236",
    "com.redhat.build-host": "cpt-
1001.osbs.prod.upshift.rdu2.redhat.com",
    "com.redhat.component": "ubi8-container",
    "com.redhat.license_terms": "https://www.redhat.com/en/about/red-hat-end-user-
license-agreements#UBI",
    "com.sonatype.license": "Apache License, Version 2.0",
    "com.sonatype.name": "Nexus Repository Manager base image",
    "description": "The Universal Base Image is designed and engineered to be the
base layer for all of your containerized applications, middleware and utilities. This base
image is freely redistributable, but Red Hat only supports Red Hat technologies through
subscriptions for Red Hat products. This image is maintained by Red Hat and updated
regularly.",
    "distribution-scope": "public",
    "io.k8s.description": "The Universal Base Image is designed and engineered to
be the base layer for all of your containerized applications, middleware and utilities. This
base image is freely redistributable, but Red Hat only supports Red Hat technologies through
subscriptions for Red Hat products. This image is maintained by Red Hat and updated
regularly.",
    "io.k8s.display-name": "Red Hat Universal Base Image 8",
    "io.openshift.expose-services": "",
    "io.openshift.tags": "base rhel8",
    "maintainer": "Sonatype <cloud-ops@sonatype.com>",
    "name": "ubi8",
    "release": "208",

```



```

"summary": "Provides the latest release of Red Hat Universal Base Image 8.",
  "url":
"https://access.redhat.com/containers/#/registry.access.redhat.com/ubi8/images/8.0-208",
    "vcs-ref": "592956edf47ff0ce45123f240898eabb469ac836",
    "vcs-type": "git",
    "vendor": "Sonatype",
    "version": "8.0"
  }
},
"Architecture": "amd64",
"os": "linux",
"Size": 610620831,
"VirtualSize": 610620831,
"GraphDriver": {
  "Data": {
    "LowerDir":
"/var/lib/docker/overlay2/1efc97c10191da75fce41b0da8f423b59a5d96ffb89e7b07d012ee1a64864c51/diff",
    "MergedDir":
"/var/lib/docker/overlay2/9ab78069111e94162980242cf5beb5a0591b29139ffb3bb21cac942a5a7ed14d/merged",
    "UpperDir":
"/var/lib/docker/overlay2/9ab78069111e94162980242cf5beb5a0591b29139ffb3bb21cac942a5a7ed14d/diff",
    "WorkDir":
"/var/lib/docker/overlay2/9ab78069111e94162980242cf5beb5a0591b29139ffb3bb21cac942a5a7ed14d/work"
  },
  "Name": "overlay2"
},
"RootFS": {
  "Type": "layers",
  "Layers": [

"sha256: 6866631b657ec5662f4faf948c771d9585a8ea005b1373360ada0a4507cd5c09",

"sha256: 48905dae401049ac43befb4f900a6aa0b5d30119db1f0cd0cca92980e0040ad0",

"sha256: 1e090454f289654b091f9c9c874c269968a8367657b0f2da1487d456c690fe13",

"sha256: ca9d13755b9ef70fc1e01592d491fec5661950812aa5bf1e0f4379254551c6b"

]

```

```

    },
    "Metadata": {
        "LastTagTime": "0001-01-01T00:00:00Z"
    }
}
]

```

## nexus

```

develop@ubuntu: ~$ docker run -id --privileged=true --name nexus3 --restart=always -p
8081:8081 -v /data/nexus3/nexus-data/:/nexus-data sonatype/nexus3:latest
6cea2db83fc4f708a5278e01a1cc6347f05b065102b3c85f4d49ae5ca3b6e6b3

```

8081      nexus                      8082      host                      8083      group

```

" -id                      --privileged=true    root                      true                      --name=                      -p

```

```

develop@ubuntu: ~$ docker container logs -f nexus3
2019-10-31 03:51:06,996+0000 INFO [FelixStartLevel] *SYSTEM
org.sonatype.nexus.pax.logging.NexusLogActivator - start
2019-10-31 03:51:07,702+0000 INFO [FelixStartLevel] *SYSTEM
org.sonatype.nexus.features.internal.FeaturesWrapper - Fast FeaturesService starting
2019-10-31 03:51:09,267+0000 WARN [FelixStartLevel] *SYSTEM
uk.org.lidalia.sysoutslf4j.context.SysOutOverSLF4JInitialiser - Your logging framework class
org.ops4j.pax.logging.slf4j.Slf4jLogger is not known - if it needs access to the standard
println methods on the console you will need to register it by calling
registerLoggingSystemPackage
2019-10-31 03:51:09,270+0000 INFO [FelixStartLevel] *SYSTEM
uk.org.lidalia.sysoutslf4j.context.SysOutOverSLF4J - Package org.ops4j.pax.logging.slf4j
registered; all classes within it or subpackages of it will be allowed to print to System.out
and System.err
2019-10-31 03:51:09,277+0000 INFO [FelixStartLevel] *SYSTEM
uk.org.lidalia.sysoutslf4j.context.SysOutOverSLF4J - Replaced standard System.out and
System.err PrintStreams with SLF4JPrintStreams
2019-10-31 03:51:09,279+0000 INFO [FelixStartLevel] *SYSTEM

```

```
uk.org.lidalia.sysoutslf4j.context.SysOutOverSLF4J - Redirected System.out and System.err to
SLF4J for this context
...
```

+

*nexus3*

# nexus3

http:// ip:8081

/nexus-data/admin.password

```
sudo cat /var/lib/docker/volumes/[volume_id]/_data/admin.password
```

admin/[admin123]

Repositories    Create repository

hosted

HTTP

API

---

Revision #1

Created 16 March 2020 04:58:17 by

Updated 20 March 2020 14:54:56 by