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

```
<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/merg
                "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:ca9d13755b9ef70fc1e01592d491fecd5661950812aa5bf1e0f4379254551c6b"
            ]
```

```
        },
        "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