

artifact repository - nexus



artifact repository, artifact repository.

artifact repository (Refactoring) artifact repository.

Devop pipeline artifact (artifact) artifact artifact artifact Sonatype artifact Nexus JFrog

artifact jfrog artifact.

artifact artifact artifact artifact artifact artifact artifact Nexus artifact

artifact.

Nexus artifact

1. NeXus Repository Manager (artifact ;NXRM)
2. artifact OS : Windows / Linux / Unix / OSX
3. artifact : 3.29.2 OSS ('21.01.10 artifact)
4. License : Eclipse Public License-v 1.0
5. Pro artifact artifact artifact : Atalssian Crowdartifact , Staging / Build artifact / artifact / artifact artifact / HA / artifact OSS artifact artifact artifact / artifact / artifact artifact artifact artifact / SAML / SSO artifact

Nexus artifact artifact

1. hardware requirements

Type	Minimal	requirement
CPU	4Core	8Core
Memory	Host : 8Gb JAVA Heap : 2Gb	Host : 8Gb Java Heap : 4GB
Disk	330M	330M

- 4GB Readonly
- Java Directory (* 0.6) - java heap

2.

	Embed	Blob	
XFS	O	O	
NFS V4	O	O	
NFS V3	X	X	
AWS - EBS	O	O	
AWS - EFS	X	O	Embed
AWS - S3	X	O	
AWS- S3	X	X	S3
Samba/CIFS	X	O	
GlusterFS	X	X	Split-brain ,
Fuse	X	X	

* Embed : (DB / Elastic Search)

* Blob : binary

- group : groupId hosted or proxy groupId groupId groupId

2. groupId groupId groupId

- release : groupId groupId groupId / groupId groupId groupId (groupId groupId groupId groupId)
- snapshot : groupId groupId groupId groupId groupId / groupId groupId groupId groupId groupId

3. groupId groupId

- maven2 : groupId groupId groupId groupId (group / artifact id / version groupId groupId)
- raw : groupId groupId groupId groupId groupId groupId
- yum : yum groupId groupId

4. groupId groupId groupId

- curl groupId groupId groupId
- test_repo groupId img-1.png groupId groupId

```
$ curl -u 'test:test123' http://192.168.10.10:11000/repository/test_repo/img-1.png -o img-1.png
```

- test.tar.gz groupId test_repo groupId

```
$ curl -u 'test:test123' --upload-file
./test.tar.gz http://192.168.10.10:11000/repository/test_repo/test.tar.gz
```

- groupId groupId

```
$ find ./ -exec curl -u 'test:test123' -T
./{} http://192.168.10.10:11000/repository/test_repo/test.tar.gz/{} \;
```

- test_repo groupId test.tar.gz groupId groupId

```
$> curl --request DELETE -u
'test:test123' http://http/192.168.10.10:11000/repository/test_repo/test.tar.gz
```

Nexus groupId (Docker groupId)

1. container pull [] []

```
$> docker pull sonatype/nexus3:3.29.2 #2.x [ ] [ ] [ ] sonatype/nexus [ ] [ ] [ ] [ ]
```

2. nexus [] [] [] [] [] []

```
$> mkdir /data/nexus-repo  
$> chown -R 200 /data/nexus-repo/
```

3. container [] [] [] []

```
$ docker run -d -p 88081:8081 \  
-e TZ=Asia/Seoul \  
-v /etc/localtime:/etc/localtime:ro \  
-v /data/nexus-repo:/nexus-data \  
-name nexus-repo sonatype/nexus3:3.29.2
```

4. Container log [] [] (started sonatype [] [] [] [] [] [] [] [])

```
$ docker logs -f nexus-repo  
...  
2021-01-19 23:32:02,793+0900 INFO [jetty-main-  
1] *SYSTEM org.sonatype.nexus.repository.httpbridge.internal.ViewServlet - Initialized  
2021-01-19 23:32:02,870+0900 INFO [jetty-main-  
1] *SYSTEM org.eclipse.jetty.server.handler.ContextHandler -  
Started o.e.j.w.WebAppContext@637c45d9{Sonatype Nexus,/,file:~/~/opt/sonatype/nexus/public/,A  
VAILABLE}  
2021-01-19 23:32:02,928+0900 INFO [jetty-main-  
1] *SYSTEM org.eclipse.jetty.server.AbstractConnector -  
Started ServerConnector@45bb642d{HTTP/1.1, (http/1.1)}{0.0.0.0:8081}  
2021-01-19 23:32:02,929+0900 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.Server -  
Started @41677ms  
2021-01-19 23:32:02,930+0900 INFO [jetty-main-
```

```
1] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer -
```

```
\\Started Sonatype Nexus OSS 3.29.2-02
```

5. web-ui - http://{ { IP} }:88081/

6.

7.

```
$docker exec -it nexus cat /nexus-data/admin.password
```

```
1123-aad-xxxx-xxxx-
```

8. (admin)

9. admin (Next)

10.

Repository Cleanup

1. cleanup policies

- → Repository → Cleanup Policies → Create Cleanup Policy
- Cleanup policy
- (90)

Property	Value	Default	Options
Name	proxy_cleanup_{{name}}.d		
Format	Repository format	raw	repository, all formats
notes			
Component Age		90	
Component Usage		90	
preview repository			

Repository

1. Hosted

- Repository → Create Repository → RAW (hosted)
- repository
-

Property	Value	Default	Options
Name	Repository	repo	(-, _)
Online	repository		
Content Disposition		attachment	Attachment / inline 1, Attachment
Blob store		default	default

Property	Value	Default	Description
Deployment Policy	allow / deny read only	Allow redeploy	Allow redeploy : allow Deny redeploy : deny read only : read only, read only
Cleanup policies	Repository		Cleanup

2. Proxy

- Repository → Create Repository → RAW (Proxy)
- repository
-

Property	Value	Default	Description
Name	Repository		, (-,_)
Online	repository		
Remote storage	hosted		
Blocked	Proxy		
Auto blocking enabled	Remote Storage Proxy		
Maximum component age	cache	60	

Property	Description	Default Value	Notes
Maximum metadata age	cache (in minutes)	60	
Blob store	Storage provider	default	Storage providers: Storage, Storage
Strict Content Type Validation	MIME type validation	enabled	
Not found cache enabled	Cache for not found responses	enabled	
Not found cache TTL	Cache TTL for not found responses	60	
Cleanup policies	Repository cleanup policies		Cleanup policies
HTTP authentication	Authentication settings	host: nexus	

3. Proxy Repo cache

- Repository → Proxy → Repository → Invalidate cache

Proxy

1. Proxy

Property	Proxy
-1	Proxy
0	
1	Proxy repo
2	Proxy Repo

2. Proxy Traffic

- `curl -x 192.168.10.10 -c /tmp/cookies.txt https://www.google.com/`
, caching flush `curl -x 192.168.10.10 -c /tmp/cookies.txt https://www.google.com/` (flush `curl -x 192.168.10.10 -c /tmp/cookies.txt https://www.google.com/`)

- `tcpdump -i eth0 -s 0 -A host 192.168.10.10 or host 192.168.100.10` (Hosted → Proxy), 192.168.10.10 (Proxy), 192.168.100.10 (Hosted)

```
15:42:31.554851 IP 192.168.10.10.42224 > 192.168.100.10.88081: Flags [S], seq 1521618240,
win 29200, options [mss 1460,nop,nop,sackOK], length 0
15:42:31.555029 IP 192.168.100.10.88081 > 192.168.10.10.42224: Flags [S.], seq
2385004980, ack 1521618241, win 29200, options [mss 1460,nop,nop,sackOK], length 0
15:42:31.555223 IP 192.168.10.10.42224 > 192.168.100.10.88081: Flags [.], ack 1, win 29200,
length 0
15:42:31.555234 IP 192.168.10.10.42224 > 192.168.100.10.88081: Flags [P.], seq 1:262, ack
1,
```

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