



# Update nexus3

check latest version of nexus3 -

<https://hub.docker.com/r/sonatype/nexus3/tags> - 3.74.0

- latest is not compatible with OrientDB, latest that is compatible is 3.70.x 
- [4 Release Notes](#)
- ssh root@sb-ansible-control - default password  
from within sb-ansible-control - ssh root@nexus3 - no need for a password
- copy into the testing server the nginx files:
  - ssl - `scp -r /etc/nginx/ssl devops-srv-01:`pwd`/.`
  - all the keys - `scp /etc/nginx/*.key devops-srv-01:`pwd`/.`
  - nginx configurations - `scp -r /etc/nginx/conf.d/ devops-srv-01:`pwd`/.`
- run the container of the newer version of nexus3 in devops-srv-01
  - `docker run -d \`  
`--restart unless-stopped \`  
`--name nexus3 \`  
`-p 8081:8081 \`  
`-p 8123:8123 \`  
`-p 8124:8124 \`  
`-p 8125:8125 \`  
`-v /mnt/DContent/nexus-blobs:/nexus-blobs \`  
`-v /var/lib/docker/volumes/nexus-data/_data:/nexus-data \`  
`sonatype/nexus3:3.70.3`
- Ensure proper mounting of volumes by comparing the content of the directory in the container and outside it.
- log into the nexus' instance with LDAP + compare the available artifacts

Moving nexus-data into /mnt

- This docker has two volumes:
  - nexus blobs - (binary large objects) content and artifacts that are uploaded or stored in Nexus repositories - already in /mnt
  - nexus data - configuration data, metadata, users, security settings and other critical system information - local, we want to move it into /mnt
- Using tar -
  - `tar --exclude="/var/lib/docker/volumes/nexus-data/_data/tmp" --exclude="/var/lib/docker/volumes/nexus-data/_data/cache" --exclude="/var/lib/docker/volumes/nexus-data/_data/log" -cpzf nexus-data.tar.gz /var/lib/docker/volumes/nexus-data > /var/log/tar.out 2>&1 &`
  - we copied nexus-data into /mnt/Dcontent through a tar command. it was not perfect as some files were changed , to do it properly we need to shut down nexus and tar it.
  - use rsync
    - `rsync -anvr dir1/ dir2`
  - using the backup and restore of orientDB -
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Actual update

- ssh root@nexus3

- `docker stop <nexus container>`
- `docker rm <nexus container>`
- `docker run -d \`
  - `--restart unless-stopped \`
  - `--name nexus3 \`
  - `-p 8081:8081 \`
  - `-p 8123:8123 \`
  - `-p 8124:8124 \`
  - `-p 8125:8125 \`
  - `-v /mnt/DContent/nexus-blobs:/nexus-blobs \`
  - `-v /var/lib/docker/volumes/nexus-data/_data:/nexus-data \`
  - `sonatype/nexus3:3.70.3`
- Test
  - login with LDAP
  - login with devopsadmin
  - run jenkins job to ensure communication