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|  | **2014** |
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| **[Build Environment** |
| Installation and configuration of Nexus. |

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# Installation

Nexus requires java-7  
So check if java 7 is installed  
$ java –version  
To update from openjdk 6 to 7 on Ubuntu

* Install   
  <http://openjdk.java.net/install/>
* If openJDK 6 is installed, “update the links”:  
  <http://askubuntu.com/questions/64329/how-to-replace-openjdk-6-with-openjdk-7>

Starting point:   
<http://books.sonatype.com/nexus-book/reference/install.html>

Downloaded tgz from: <http://www.sonatype.org/nexus/go>

For installation used <http://books.sonatype.com/nexus-book/reference/_installing_nexus.html>

* Followed Note, BUT first
  + Create user:  
     $ sudo adduser nexus  
     $ sudo su nexus  
    psw: nexus
  + Add nexus to sudo group  
    $ sudo adduser nexus sudo
* After copying nexus.tar.gz to /usr/local  
  change group / owner  
  $ sudo chown nexus:nexus <name dir or file>  
  ref: <http://www.thegeekstuff.com/2012/06/chown-examples/>
* Change ownership: /usr/local/nexus/tmp  
  $ sudo chown nexus:nexus /usr/local/nexus/tmp
* Added   
  export NEXUS\_HOME=/usr/local/nexus  
  to .bashrc of user nexus.  
  ref: <http://genepath.med.harvard.edu/mw/Bash:HOW_TO:_Set_an_environment_variable_in_the_bash_shell>
* Hack:
  + Create pid file:  
    $ touch bin/jsw/…/?.pd  
    $ chown nexus:nexus ?.pid
  + Chown directories to switch nexus writes  
    $ sudo chown nexus:nexus /usr/local/nexus-2.7.2-03/tmp  
    $ sudo chown nexus:nexus /usr/local/sonatype-work  
    $ sudo chown nexus:nexus /usr/local/sonatype-work/nexus

To run as a service, see section 3.7 in  
<http://books.sonatype.com/nexus-book/reference/install-sect-running.html>   
Note: follow links to get to section 3.7.  
Note: first step is: Create a nexus user with sufficient access rights to run the service.  
Unclear how to do that.

# Management

See: <http://books.sonatype.com/nexus-book/reference/install-sect-repoman-post-install.html>   
which also describes a number of mandatory steps to setup nexus.

# Default users: admin and developer

Ref  
<http://books.sonatype.com/nexus-book/reference/install-sect-repoman-post-install.html>   
defined default users admin/admin123 and developr/developer123.

# Security

## HTTP(s) to remote Repo

Access to remote repo is via HTTP. HTTP is part of Nexus Pro.  
ref: <http://books.sonatype.com/nexus-book/reference/confignx-sect-manage-repo.html>

 Todo: The above link contains many interesting configuration options.

## Maven Authorization for release repo

Uses settings-security.xml deployed in ~/.m2 directory  
Ref: http://maven.apache.org/guides/mini/guide-encryption.html

# Plugins

## Nexus plugin to store RPM and serve as RPM repo

<https://code.google.com/p/nexus-yum-plugin/>   
Mentions: The Nexus Yum Plugin has moved to GitHub and is supported by Sonatype since Nexus 2.3  
Github: <https://github.com/sonatype/nexus-yum-plugin>

# Maintenance

## Removal of obsolete release

Q: is there an expiry data for releases?

## Removal of old snapshot

Discussion of removal of old artifacts.:  
<http://stackoverflow.com/questions/11518546/deleting-artifacts-older-than-2-years-from-local-nexus-repository>

# Running

<http://books.sonatype.com/nexus-book/reference/install-sect-running.html>   
Open terminal  
$ sudo su nexus  
$ cd /usr/local/nexus  
$ ./bin/nexus console

Next open URL In browser on virtual machine:  <http://localhost:8081/nexus>

# Configure Maven to use nexus

Ref: <http://books.sonatype.com/nexus-book/reference/config.html>  
configure maven to use nexus.

My settings.xml  
