



Nexus

An artifact repository and the Everis way of doing...



What's an Artifact Repository Manager

- Stores build artifacts
- Retrieves build artifacts

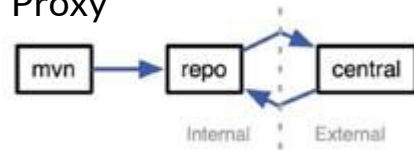
Examples:

- Maven: <https://mvnrepository.com>
- Nuget: <https://www.nuget.org>
- Npm: <https://www.npmjs.com>
- Multiple: <https://www.sonatype.com/nexus-repository-sonatype>

What's Nexus

- It's a repository manager (not only artifact)
- Install/Hire
- Host/Proxy

Proxy



Hosted



✓ Bower

✓ PyPI

✓ CPAN*

✓ Docker

✓ Ruby Gems

✓ Raw (Universal)

✓ Git LFS

✓ Yum

✓ P2*

✓ Maven

✓ Apt*

✓ Helm*

✓ npm

✓ Conan*

✓ ELPA*

✓ NuGet

✓ R*

* Available from the [Nexus Exchange Community](#)




Install Nexus

```
docker run -d -p 8081:8081 --name nexus sonatype/nexus3
```



How to ask for a new everis repo

- Go to JIRA <https://steps.everis.com/jiraproy/secure/Dashboard.jspa>
- Take the excel template from here
<https://steps.everis.com/confluence/pages/viewpage.action?pageId=775716887>
- Fill in the fields



Snapshot - Release

Released artifacts are considered to be solid, stable, and perpetual in order to guarantee that builds which depend upon them are repeatable over time. Can't be overwritten.

Snapshots capture a work in progress and are used during development. Can be overwritten.

How to upload artifacts - Maven

- Define the repo in the settings.xml
- Mi recommendation it's always to put it in the ~/.m2 folder

```
mvn deploy -DrepositoryId=DMFAlicante-Snapshots
```

```
<?xml version="1.0" encoding="UTF-8"?>

<settings xmlns="http://maven.apache.org/SETTINGS/1.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/SETTINGS/1.0.0 http://maven.apache.org/xsd/maven-settings-1.0.0.xsd">

  <servers>
    <server>
      <id>DMFAlicante-Release</id>
      <username>emingora</username>
      <password>{KMGLSLF0X0AHaZbBMRJtcaJrtCFlbQH+S+fgN9RW1KI=}</password>
    </server>
    <server>
      <id>DMFAlicante-Snapshots</id>
      <username>emingora</username>
      <password>{KMGLSLF0X0AHaZbBMRJtcaJrtCFlbQH+S+fgN9RW1KI=}</password>
    </server>
  </servers>

  <profiles>
    <profile>
      <id>everis</id>
      <repositories>
        <repository>
          <id>DMFAlicante-Release</id>
          <url>https://steps.everis.com/nexus/content/groups/public</url>
          <releases>
            <enabled>true</enabled>
          </releases>
        </repository>
        <repository>
          <id>DMFAlicante-Snapshots</id>
          <name>CAR Alicante Snapshots Repository</name>
          <url>https://steps.everis.com/nexus/content/groups/public</url>
          <releases>
            <enabled>false</enabled>
          </releases>
        </repository>
      </repositories>
    </profile>
  </profiles>
</settings>
```



How to upload artifacts - npm

- Define registry in the ~/.npmrc

```
npm publish
```

How to generate the _auth

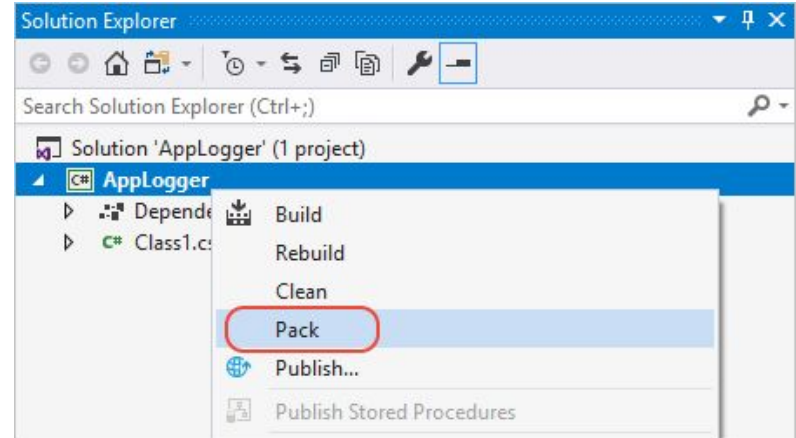
- `echo -n 'username:password' | openssl base64`
- `base64Encode(<username>:<password>)`
- `btoa('username:password')`

```
registry=[REGISTRY_URL] // to be replaced
always-auth=true
_auth="[AUTH]" // to be replaced
email=[EMAIL] // to be replaced
@angular:registry=https://registry.npmjs.org/
@schematics:registry=https://registry.npmjs.org/
@angular-devkit:registry=https://registry.npmjs.org/
@ngtools:registry=https://registry.npmjs.org/
@stomp:registry=https://registry.npmjs.org/
@types:registry=https://registry.npmjs.org/
@ngx-translate:registry=https://registry.npmjs.org/
@nicky-lenaers:registry=https://registry.npmjs.org/
@tweenjs:registry=https://registry.npmjs.org/
@toverux:registry=https://registry.npmjs.org/
@covalent:registry=https://registry.npmjs.org/
registry.npmjs.org/:_authToken=[NPMJS_AUTH_TOKEN] // to be replaced
proxy=[PROXY_URL] // to be replaced
https-proxy=[PROXY_URL] // to be replaced
```


How to upload artifacts - nuget

```
nuget setApiKey <your API key>
```

```
nuget push YourPackage.nupkg -Source https://api.nuget.org/v3/index.json
```





Gracias! preguntas?

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Sources:

- <http://www.vogella.com/tutorials/Nexus/article.html>
- <https://hub.docker.com/r/sonatype/nexus3>
- <https://dzone.com/refcardz/getting-started-repository?chapter=1#refcard-download-social-buttons-display>
- <https://docs.microsoft.com/es-es/nuget/quickstart/create-and-publish-a-package-using-visual-studio>

