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**NEXUS**

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# 

# Introduction

**Nexus is a repository manager. Nexus manages software components required for development, deployment, and provisioning**

# COnfiguration Guidelines FOr Nexus

1. a Java Runtime Environment (JRE) compatible with Java 7 or Java 8.
2. Jdk
3. Download Nexus
4. Install Nexus

# nEXUS WITH nODE JS

* set up your hosted and proxy repositories for npm packages, and created a repository group to merge them, you can access them with the npm tool on the command line as one registry.
* You can configure the registry used by npm in your .npmrc file located in your user’s home directory.

**Registry configuration in**.npmrc**.**

registry = <http://localhost:8081/nexus/content/groups/npm-all/>

* All backup data stored inside the sonatype-work folder ,inside that folder repository are stored in storage folder.
* .npmrc file present inside your node js software C:\Program Files\nodejs\bin\node\_modules\npm.

# nEXUS WITH Grunt tool

* Use following plugins with grunt tool :

**1.Grunt-nexus-deployer:**

Nexus Artifact Deployer from grunt

* Download Dependcies from npm .

npm install grunt-nexus-deployer --save-dev

* Once the plugin has been installed, it may be enabled inside your Gruntfile with this line of JavaScript:

grunt.loadNpmTasks('grunt-nexus-deployer');

* Nexusdeployer Task :

In your project's Gruntfile, add a section named nexusDeployer to the data object passed intogrunt.initConfig().

grunt.initConfig({

         nexusDeployer: {

release: {

options: {

groupId: "grunt-nexus-deployer",

artifactId: "grunt-nexus-deployer",

version: "1.0",

packaging: 'zip',

classifier: 'dev',

auth: {

username:'admin',

password:'admin123'

},

pomDir: 'build/pom',

url: 'http://172.27.59.103:8081/nexus/content/repositories/releases/',

artifact: 'build/grunt-nexus-deployer.zip',

noproxy: 'localhost',

cwd: ''

}

}

        }

      }

    }

});

**2. Grunt-nexus-downloader:**

A plugin for downloading artifacts from Sonatype's Nexus repository.  
 Tested under Linux and Windows.

* Download Dependcies from npm .

npm install grunt-nexus-downloader --save-dev

* Once the plugin has been installed, it may be enabled inside your Gruntfile with this line of JavaScript:

grunt.loadNpmTasks('grunt-nexus-downloader');

* Nexusdownloader Task :

In your project's Gruntfile, add a section named nexusDownloader to the data object passed Into grunt.initConfig().

grunt.initConfig({

  nexusDownloader**:** {

     options: {

baseUrl: 'http://172.27.59.103:8081/nexus/content/repositories/',

repository: 'releases/',

groupId: 'grunt-nexus-deployer',

destination: 'download'

},

basic: {

options: {

artifactId: 'grunt-nexus-deployer',

classifier: 'dev',

extension: 'zip',

destination: 'download'

},

dependencies: {

'grunt-nexus-deployer': ['1.0']

}

  }

})

# differnece between artifactory vs nexus

1.Artifactory Pro

* + you pay **per server**
  + you can pay more for increased service hours

Nexus Pro

* + you pay **per seat**, i.e. how many developers downloading artifacts.

2. Artifactory stores the artifacts in a database, which means that if something goes wrong, all your artifacts are gone. Nexus uses a flat file for your precious artifacts so you don't have to worry about them all getting lost.

3. <https://twiki.auscope.org/wiki/Grid/NexusVsArtifactory>: technical difference between artifactory and nexus