

Installation de l'environnement pour développer des applications Java EE EJB

Pour Formations.

Date 08/10/2024

Objet Installation de l'environnement pour développer des applications Java Spring.

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I) Pré requis

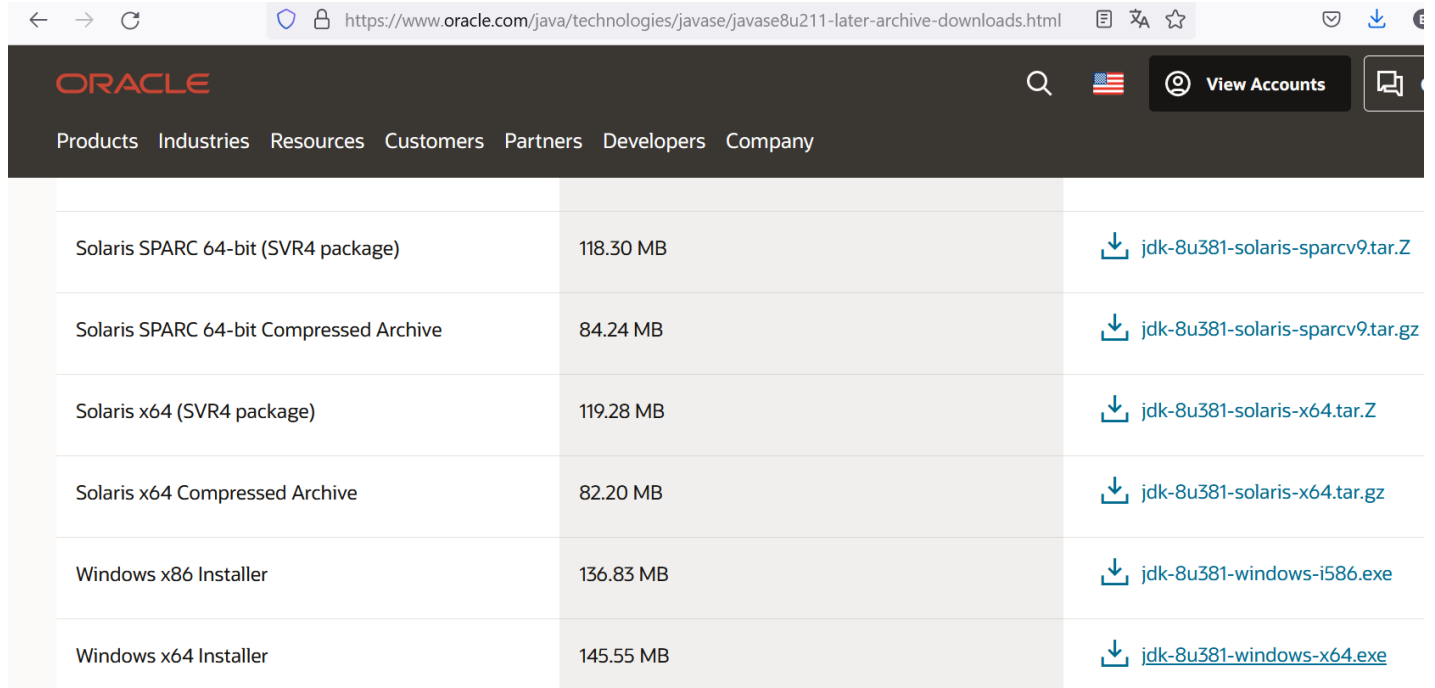
Avoir une installation de **Windows 10 ou 11**.

II) Installation de l'environnement de développement

1. Installation JDK 8

- Télécharger le [Pack JDK/JRE 8 \(8u381\)](#).

Aller sur le site <https://www.oracle.com/java/technologies/javase/javase8u211-later-archive-downloads.html>



OS/Architecture	Size	Download Link
Solaris SPARC 64-bit (SVR4 package)	118.30 MB	jdk-8u381-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit Compressed Archive	84.24 MB	jdk-8u381-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	119.28 MB	jdk-8u381-solaris-x64.tar.Z
Solaris x64 Compressed Archive	82.20 MB	jdk-8u381-solaris-x64.tar.gz
Windows x86 Installer	136.83 MB	jdk-8u381-windows-i586.exe
Windows x64 Installer	145.55 MB	jdk-8u381-windows-x64.exe

Le clic sur [jdk-8u381-windows-x64.exe](#) renvoie vers l'URL <https://download.oracle.com/otn/java/jdk/8u381-b09/8c876547113c4e4aab3c868e9e0ec572/jdk-8u381-windows-x64.exe> qui lance automatiquement le téléchargement de la machine virtuelle **JAVA 8**.

Si les liens au dessus ne fonctionne pas et que vous n'arrivez à retrouver une JVM 8 alors allez sur <https://www.oracle.com/java/technologies/downloads/archive>

Java downloads Tools and resources Java archive

GaaSVM

Java EE

Java ME

JavaFX

Java Client Technologies
Java 3D, Java Access Bridge, Java Accessibility, Java Advanced Imaging, Java Internationalization and Localization Toolkit, Java Look and Feel, Java Media Framework (JMF), Java Web Start (JAWS), JIMI SDK

Java Platform Technologies
Java Authentication and Authorization Service (JAAS), JavaBeans, Java Management Extension (JMX), Java Naming and Directory Interface, RMI over IIOP, Java Cryptography Extension (JCE), Java Secure Socket Extension

Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files
The Java Cryptography Extension enables applications to use stronger versions of cryptographic algorithms. JDK 9 and later offer the stronger cryptographic algorithms by default.

The unlimited policy files are required only for JDK 8, 7, and 6 updates earlier than 8u161, 7u171, and 6u181. On those versions and later, the stronger cryptographic algorithms are available by default.

JVM Technologies
jvmstat

Java SE downloads

- > Java SE 21
- > Java SE 20
- > Java SE 19
- > Java SE 18
- > Java SE 17
- > Java SE 16
- > Java SE 15
- > Java SE 14
- > Java SE 13
- > Java SE 12
- > Java SE 11
- > Java SE 10
- > Java SE 9
- > Java SE 8 (8u211 and later)
- > Java SE 8 (8u202 and earlier)
- > Java SE 7

Si vous n'arrivez toujours pas à retrouver un lien avec une JVM 8 valide alors cliquez sur le lien <https://elhadji-gaye.fr/Installations/JDK-JRE-V8/jdk-8-windows-x64.zip>

Créer la variable d'environnement **JAVA_HOME** avec la valeur **C:\Program Files\Java\jdk-1.8**

Démarrage et récupération

Informations de démarrage du système, de défaillance du système et de débogage

Paramètres...

Variables d'environnement...

Variables système

Variable	Valeur
PROCESSOR_LEVEL	6
PROCESSOR_REVISION	8c01
PSModulePath	%ProgramFiles(x86)%\WindowsPowerShell\Modules;C:\Windows...
TEMP	C:\Windows\TEMP
TMP	C:\Windows\TEMP
USERNAME	SYSTEM
VBOX_MSI_INSTALL_PATH	C:\Program Files\Oracle\VirtualBox\
windir	C:\Windows

Nouvelle... Modifier... Supprimer

Modifier la variable système

Nom de la variable :

Valeur de la variable :

Parcourir le répertoire... Parcourir le fichier... OK Annuler

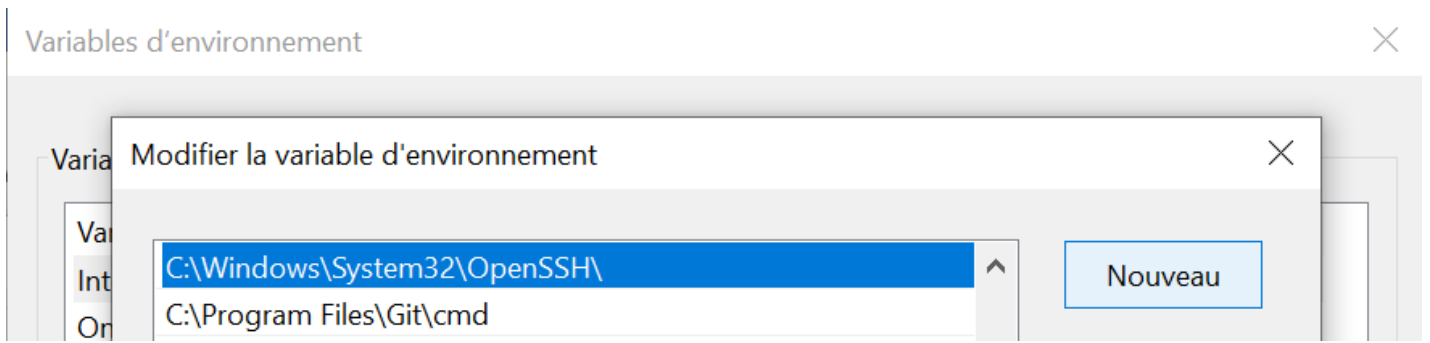
Modifier la variable Path afin d'ajouter la variable **JAVA_HOME**. Cliquer sur **Path** puis **Modifier**.

Variables système

Variable	Valeur
NUMBER_OF_PROCESSORS	8
OS	Windows_NT
Path	C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\Wi...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE	AMD64
PROCESSOR_IDENTIFIER	Intel64 Family 6 Model 140 Stepping 1, GenuineIntel
PROCESSOR_LEVEL	6
PROCFESSOR REVISION	8c01

Nouvelle... Modifier... Supprimer

Puis cliquer sur Nouveau pour ajouter une nouvelle entrée.

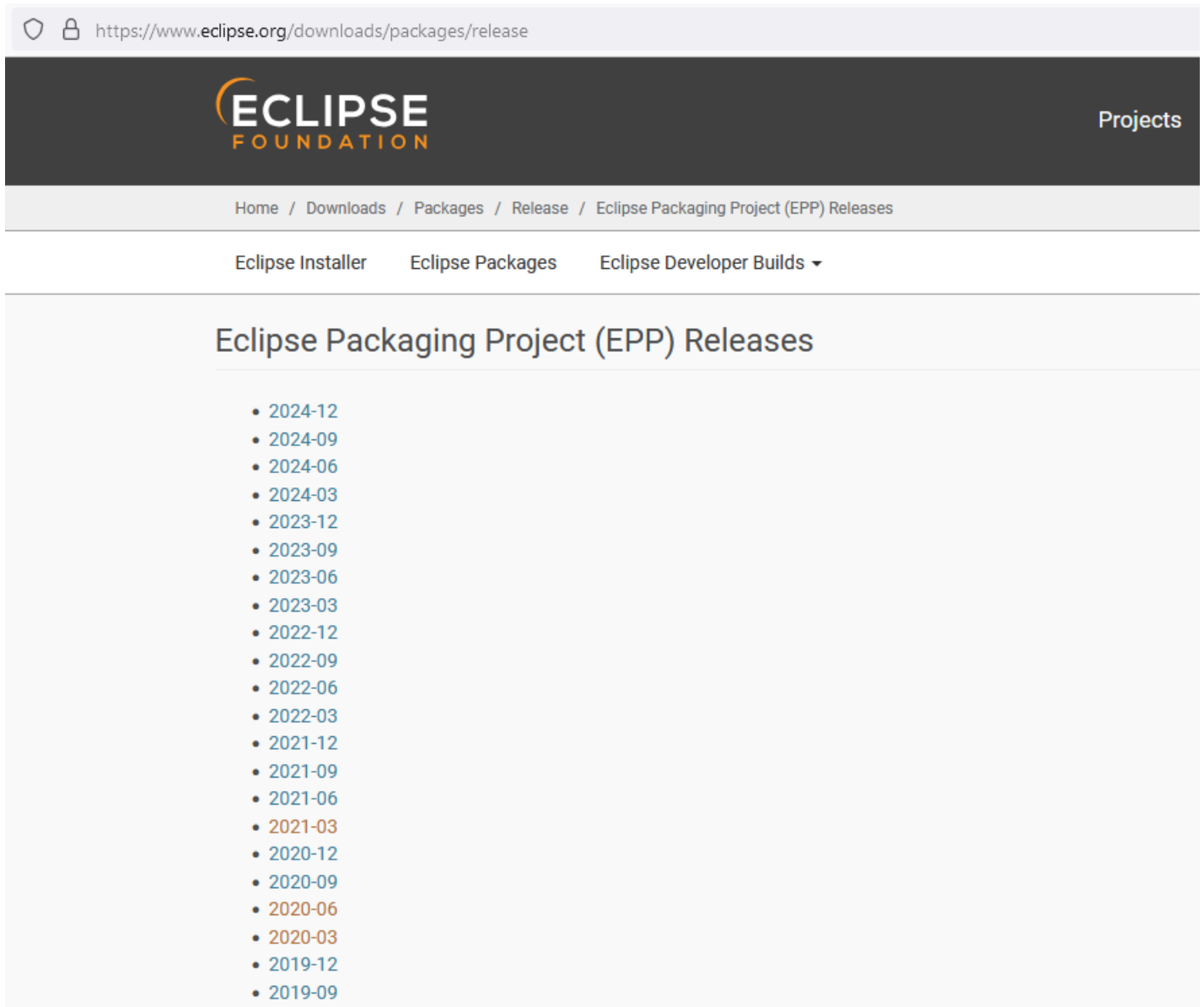


Rentrer la valeur `%JAVA_HOME%\bin` puis valider.



2. Installation Eclipse

Nous allons utiliser l'IDE Eclipse pour cette formation. Vous trouverez la liste des différentes versions sur <https://www.eclipse.org/downloads/packages/release>



The screenshot shows the Eclipse Foundation website's "Eclipse Packaging Project (EPP) Releases" page. The browser address bar displays "https://www.eclipse.org/downloads/packages/release". The Eclipse Foundation logo is visible in the top left, and the word "Projects" is in the top right. A breadcrumb trail reads "Home / Downloads / Packages / Release / Eclipse Packaging Project (EPP) Releases". Below this, there are navigation links for "Eclipse Installer", "Eclipse Packages", and "Eclipse Developer Builds". The main heading is "Eclipse Packaging Project (EPP) Releases". A list of release dates is provided, with the 2020-06 release highlighted in orange.

- 2024-12
- 2024-09
- 2024-06
- 2024-03
- 2023-12
- 2023-09
- 2023-06
- 2023-03
- 2022-12
- 2022-09
- 2022-06
- 2022-03
- 2021-12
- 2021-09
- 2021-06
- 2021-03
- 2020-12
- 2020-09
- 2020-06
- 2020-03
- 2019-12
- 2019-09

Nous allons télécharger la version **Eclipse IDE 2020-06** sur <https://www.eclipse.org/downloads/packages/release/2020-06/r>

https://www.eclipse.org/downloads/packages/release/2020-06/r

This release was published on 06/12/2020. A newer release is available [here](#).

The Eclipse Installer 2024-12 M3 now includes a JRE for macOS, Windows and Linux.

Try the Eclipse Installer 2024-12 M3

The easiest way to install and update your Eclipse Development Environment.


[Find out more](#)

📦 0 Package Downloads and Updates

Download

macOS [x86_64](#) | [AArch64](#)
 Windows [x86_64](#)
 Linux [x86_64](#) | [AArch64](#)

Eclipse IDE 2020-06 R Packages




Eclipse IDE for C/C++ Developers

239 MB 481,520 DOWNLOADS

An IDE for C/C++ developers.

Windows [x86_64](#)
 macOS [x86_64](#)
 Linux [x86_64](#)



Eclipse IDE for Enterprise Java Developers

391 MB 476,722 DOWNLOADS

Tools for developers creating Java Enterprise and Web applications, including a Java IDE, tools for Web Services, JPA and Data Tools, JSF, Mylyn, Maven and Gradle, Git, and more.

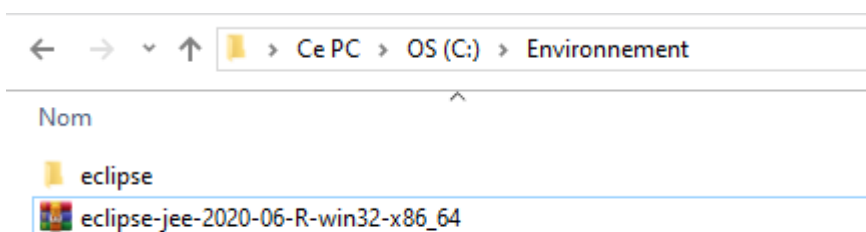
[Click here](#) to file a bug against Eclipse Web Tools Platform.
[Click here](#) to file a bug against Eclipse Platform.
[Click here](#) to file a bug against Maven integration for web projects.
[Click here](#) to report an issue against Eclipse Wild Web Developer (incubating).

Windows [x86_64](#)
 macOS [x86_64](#)
 Linux [x86_64](#)

Le clic sur Windows x86_64 nous renvoie vers

https://www.eclipse.org/downloads/download.php?file=/technology/epp/downloads/release/2020-06/R/eclipse-jee-2020-06-R-win32-x86_64.zip

Dézipper le dossier **eclipse-jee-2020-06-R-win32-x86_64.zip** sur un dossier.



Modifier le fichier **eclipse.ini** pour y ajouter :

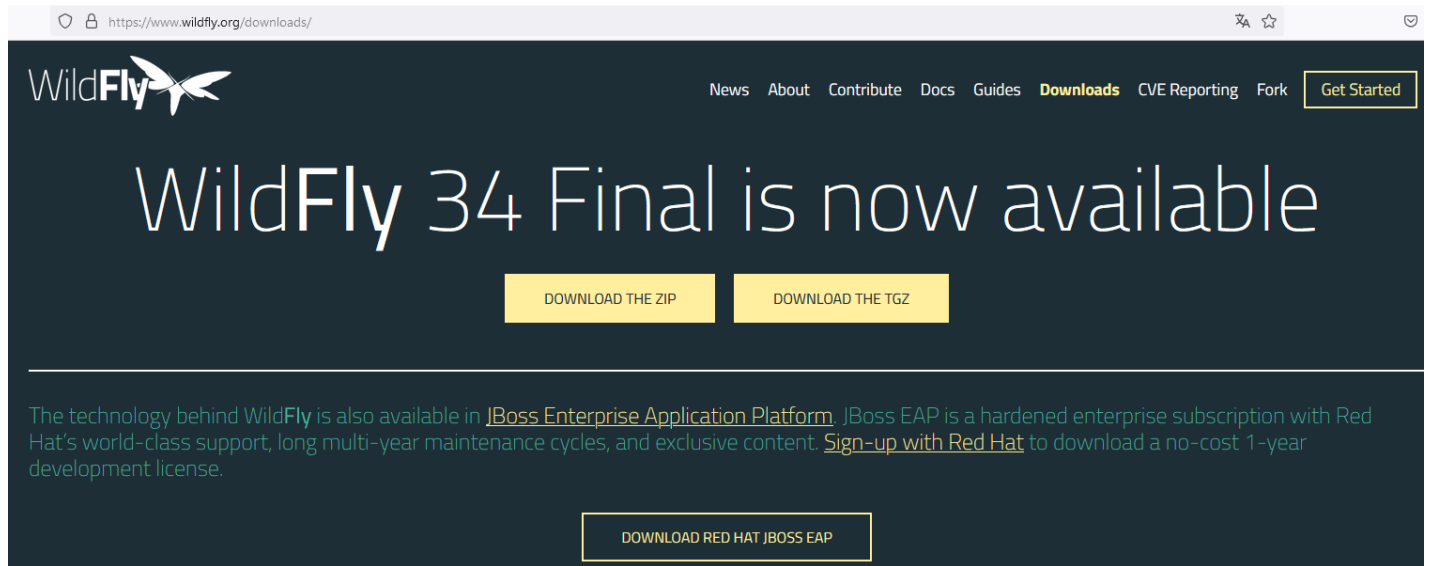
```
-vm  
C:/Program Files/Java/jdk-1.8/bin
```

Le fichier **eclipse.ini** devient :

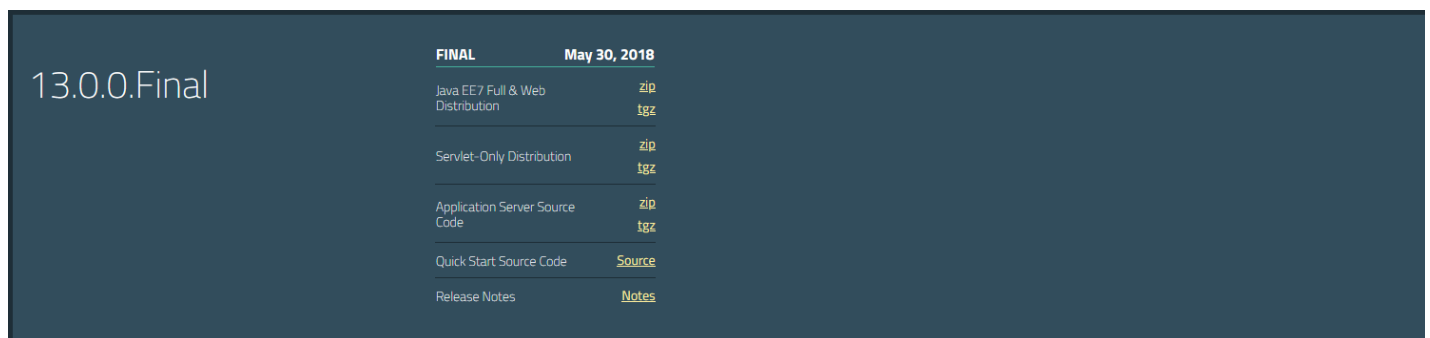
```
-startup  
plugins/org.eclipse.equinox.launcher_1.5.700.v20200207-2156.jar  
--launcher.library  
plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.1200.v20200508-1552  
-product  
org.eclipse.epp.package.jee.product  
-showsplash  
org.eclipse.epp.package.common  
--launcher.defaultAction  
openFile  
--launcher.defaultAction  
openFile  
--launcher.appendVmargs  
-vm  
C:/Program Files/Java/jdk-1.8/bin  
-vmargs  
-Dosgi.requiredJavaVersion=1.8  
-Dosgi.instance.area.default=@user.home/eclipse-workspace  
-XX:+UseG1GC  
-XX:+UseStringDeduplication  
--add-modules=ALL-SYSTEM  
-Dosgi.requiredJavaVersion=1.8  
-Dosgi.dataAreaRequiresExplicitInit=true  
-Xms256m  
-Xmx2048m  
--add-modules=ALL-SYSTEM
```

3. Installation de Wildfly

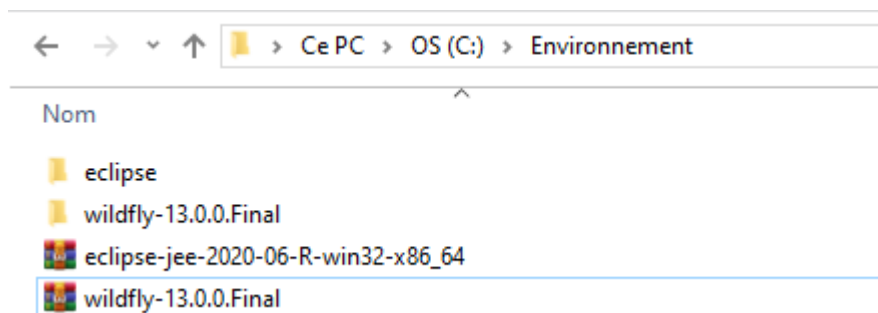
Nous allons aussi installer Wildfly 13 (JBoss 13) pour cette formation. Vous trouverez la liste de versions de Wildfly sur <https://www.wildfly.org/downloads/>



Cliquer sur zip de la version 13 et vous êtes redirigé vers <https://download.jboss.org/wildfly/13.0.0.Final/wildfly-13.0.0.Final.zip>



Dézipper le dossier **wildfly-13.0.0.Final.zip** dans un dossier :



Nous pouvons activer à nouveau le compte **admin** en mettant le mot de passe `passw0rd` en modifiant les fichiers **application-roles.properties**, **application-users.properties**, **mgmt-groups.properties** et **mgmt-users.properties** sur le dossier **wildfly-13.0.0.Final/standalone/configuration**.

Exemple :

admin=c6bb9688c6b10dd283955a89992463a2

c6bb9688c6b10dd283955a89992463a2 étant l'encryptage de passw0rd.

Nous pouvons aussi ajouter l'utilisateur **my-user/my-password** avec **wildfly-13.0.0.Final/bin/add-user.bat**.

Lancer le serveur d'application avec **wildfly-13.0.0.Final/bin/standalone.bat**

```
Invite de commandes - C:\Environnement\wildfly-13.0.0.Final\bin\standalone.bat
Microsoft Windows [version 10.0.19045.5011]
(c) Microsoft Corporation. Tous droits réservés.

C:\Users\elhad>C:\Environnement\wildfly-13.0.0.Final\bin\standalone.bat
Calling "C:\Environnement\wildfly-13.0.0.Final\bin\standalone.conf.bat"
Setting JAVA property to "C:\Program Files\Java\jdk-1.8\bin\java"

=====

JBoss Bootstrap Environment

JBOSS_HOME: "C:\Environnement\wildfly-13.0.0.Final"

JAVA: "C:\Program Files\Java\jdk-1.8\bin\java"

JAVA_OPTS: "-Dprogram.name=standalone.bat -Xms64M -Xmx512M -XX:MetaspaceSize=96M -XX:MaxMetaspaceSize=256m -Djava.net.preferIPv4Stack=true -Djboss.modules.system

=====

14:22:16,968 INFO [org.jboss.modules] (main) JBoss Modules version 1.8.5.Final
14:22:18,491 INFO [org.jboss.msc] (main) JBoss MSC version 1.4.2.Final
14:22:18,501 INFO [org.jboss.threads] (main) JBoss Threads version 2.3.2.Final
14:22:18,589 INFO [org.jboss.as] (MSC service thread 1-2) WFLYSRV0049: WildFly Full 13.0.0.Final (WildFly Core 5.0.0.Final) starting
14:22:21,284 INFO [org.jboss.as.controller.management-deprecated] (Controller Boot Thread) WFLYCTL0028: Attribute 'security-realm' in the resource at address '/co
and may be removed in a future version. See the attribute description in the output of the read-resource-description operation to learn more about the deprecation.
14:22:21,301 INFO [org.wildfly.security] (ServerService Thread Pool -- 20) ELY00001: WildFly Elytron version 1.3.3.Final
14:22:21,302 INFO [org.jboss.as.controller.management-deprecated] (ServerService Thread Pool -- 24) WFLYCTL0028: Attribute 'security-realm' in the resource at addr
eprated, and may be removed in a future version. See the attribute description in the output of the read-resource-description operation to learn more about the de
14:22:21,357 INFO [org.jboss.as.server] (Controller Boot Thread) WFLYSRV0039: Creating http management service using socket-binding (management-http)
14:22:21,377 INFO [org.xnio] (MSC service thread 1-4) XNIO version 3.6.3.Final
14:22:21,383 INFO [org.xnio.nio] (MSC service thread 1-4) XNIO NIO Implementation Version 3.6.3.Final
14:22:21,405 INFO [org.jboss.as.clustering.infinispan] (ServerService Thread Pool -- 45) WFLYCLINF0001: Activating Infinispan subsystem.
14:22:21,421 WARN [org.jboss.as.txn] (ServerService Thread Pool -- 62) WFLYTX0013: The node-identifier attribute on the /subsystem=transactions is set to the defau
ase make sure the attribute value is unique.
14:22:21,426 INFO [org.jboss.as.webservices] (ServerService Thread Pool -- 64) WFLYWS0002: Activating WebServices Extension
14:22:21,435 INFO [org.jboss.as.security] (ServerService Thread Pool -- 60) WFLYSEC0002: Activating Security Subsystem
14:22:21,441 INFO [org.jboss.as.naming] (ServerService Thread Pool -- 54) WFLYNAM0001: Activating Naming Subsystem
14:22:21,443 INFO [org.jboss.as.jsf] (ServerService Thread Pool -- 52) WFLYJSF0007: Activated the following JSF Implementations: [main]
14:22:21,463 INFO [org.jboss.as.ee] (ServerService Thread Pool -- 41) WFLYEE0119: The system property 'ee8.preview.mode' is NOT set to 'true'. For provided EE 8 AP
7, the EE 7 variant of the API will be used. Support for this setting will be removed once all EE 8 APIs are provided and certified.
14:22:21,484 INFO [org.jboss.as.security] (MSC service thread 1-7) WFLYSEC0001: Current PicketBox version=5.0.2.Final
14:22:21,540 INFO [org.wildfly.extension.undertow] (MSC service thread 1-5) WFLYUT0003: Undertow 2.0.9.Final starting
14:22:21,541 INFO [org.jboss.as.connector] (MSC service thread 1-1) WFLYJCA0009: Starting JCA Subsystem (WildFly/IronJacamar 1.4.9.Final)
14:22:21,550 INFO [org.jboss.as.connector.subsystems.datasources] (ServerService Thread Pool -- 38) WFLYJCA0004: Deploying JDBC-compliant driver class org.h2.Driver
14:22:21,561 INFO [org.wildfly.extension.io] (ServerService Thread Pool -- 46) WFLYIO0001: Worker 'default' has auto-configured to 16 core threads with 128 task thr
14:22:21,563 INFO [org.jboss.as.connector.deployers.jdbc] (MSC service thread 1-1) WFLYJCA0018: Started Driver service with driver-name = h2
14:22:21,590 INFO [org.jboss.as.naming] (MSC service thread 1-7) WFLYNAM0003: Starting Naming Service
14:22:21,593 INFO [org.jboss.as.mail.extension] (MSC service thread 1-5) WFLYMAIL0001: Bound mail session [java:jboss/mail/Default]
14:22:21,784 INFO [org.jboss.as.ejb3] (MSC service thread 1-3) WFLYEJB0481: Strict pool slsb-strict-max-pool is using a max instance size of 128 (per class), which
14:22:21,788 INFO [org.jboss.as.ejb3] (MSC service thread 1-4) WFLYEJB0482: Strict pool mdb-strict-max-pool is using a max instance size of 32 (per class), which i
14:22:21,807 INFO [org.jboss.remoting] (MSC service thread 1-1) JBoss Remoting version 5.0.7.Final
14:22:21,811 INFO [org.wildfly.extension.undertow] (ServerService Thread Pool -- 63) WFLYUT0014: Creating file handler for path 'C:\Environnement\wildfly-13.0.0.Fi
link: 'false', case-sensitive: 'true', safe-symlink-paths: '[]']
14:22:21,821 INFO [org.wildfly.extension.undertow] (MSC service thread 1-4) WFLYUT0012: Started server default-server.
14:22:21,824 INFO [org.wildfly.extension.undertow] (MSC service thread 1-5) WFLYUT0018: Host default-host starting
14:22:21,833 INFO [org.jboss.as.jaxrs] (ServerService Thread Pool -- 47) WFLYRS0016: RESTEasy version 3.5.1.Final
14:22:22,030 INFO [org.wildfly.extension.undertow] (MSC service thread 1-2) WFLYUT0006: Undertow HTTP listener default listening on 127.0.0.1:8080
14:22:22,062 INFO [org.jboss.as.ejb3] (MSC service thread 1-2) WFLYEJB0493: EJB subsystem suspension complete
14:22:22,102 INFO [org.jboss.as.connector.subsystems.datasources] (MSC service thread 1-8) WFLYJCA0001: Bound data source [java:jboss/datasources/ExampleDS]
14:22:22,999 INFO [org.jboss.as.patching] (MSC service thread 1-5) WFLYPAT0050: WildFly Full cumulative patch ID is: base, one-off patches include: none
14:22:23,010 WARN [org.jboss.as.domain.management.security] (MSC service thread 1-1) WFLYDM0111: Keystore C:\Environnement\wildfly-13.0.0.Final\standalone\configur
use with a self signed certificate for host localhost
14:22:23,015 INFO [org.jboss.as.server.deployment.scanner] (MSC service thread 1-4) WFLYDS0013: Started FileSystemDeploymentService for directory C:\Environnement\
14:22:23,267 INFO [org.wildfly.extension.undertow] (MSC service thread 1-3) WFLYUT0006: Undertow HTTPS listener https listening on 127.0.0.1:8443
14:22:23,849 INFO [org.jboss.ws.common.management] (MSC service thread 1-3) JBWS022052: Starting JBossWS 5.2.1.Final (Apache CXF 3.2.4.jbossorg-1)
14:22:23,895 INFO [org.jboss.as.server] (Controller Boot Thread) WFLYSRV0212: Resuming server
14:22:23,898 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0060: Http management interface listening on http://127.0.0.1:9990/management
14:22:23,898 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0051: Admin console listening on http://127.0.0.1:9990
14:22:23,899 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 13.0.0.Final (WildFly Core 5.0.0.Final) started in 8144ms - Started 290 of 511
```

En allant sur <http://127.0.0.1:9990/> avec les identifiants **admin/passw0rd**.

WildFly Application Server



Deployments

Add and manage deployments

▼ [Deploy an Application](#) | [Start](#)

Deploy an application to the server

1. Use the 'Add Deployment' wizard to deploy the application
2. Enable the deployment



Configuration

Configure subsystem settings

▼ [Create a Datasource](#) | [Start](#)

Define a datasource to be used by deployed applications. The proper JDBC driver must be deployed and registered.

1. Select the Datasources subsystem
2. Add a Non-XA or XA datasource
3. Use the 'Create Datasource' wizard to configure the datasource settings



Runtime

Monitor server status

▼ [Monitor the Server](#) | [Start](#)

View runtime information such as server status, JVM status, and server log files.

1. Select the server
2. View log files or JVM usage



Access Control

Manage user and group permissions for management operations

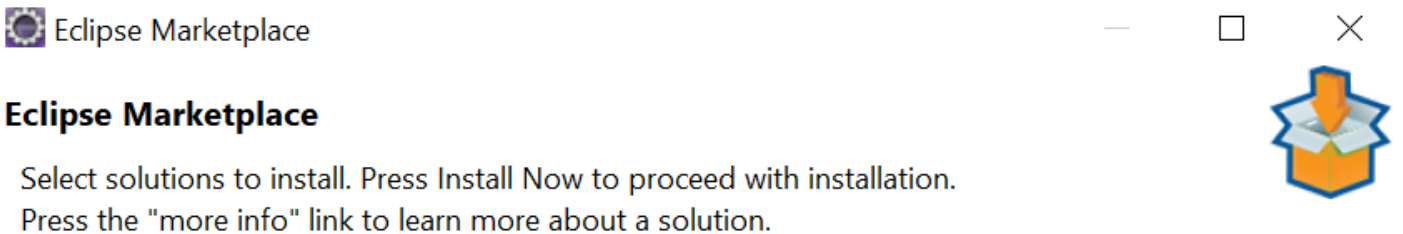
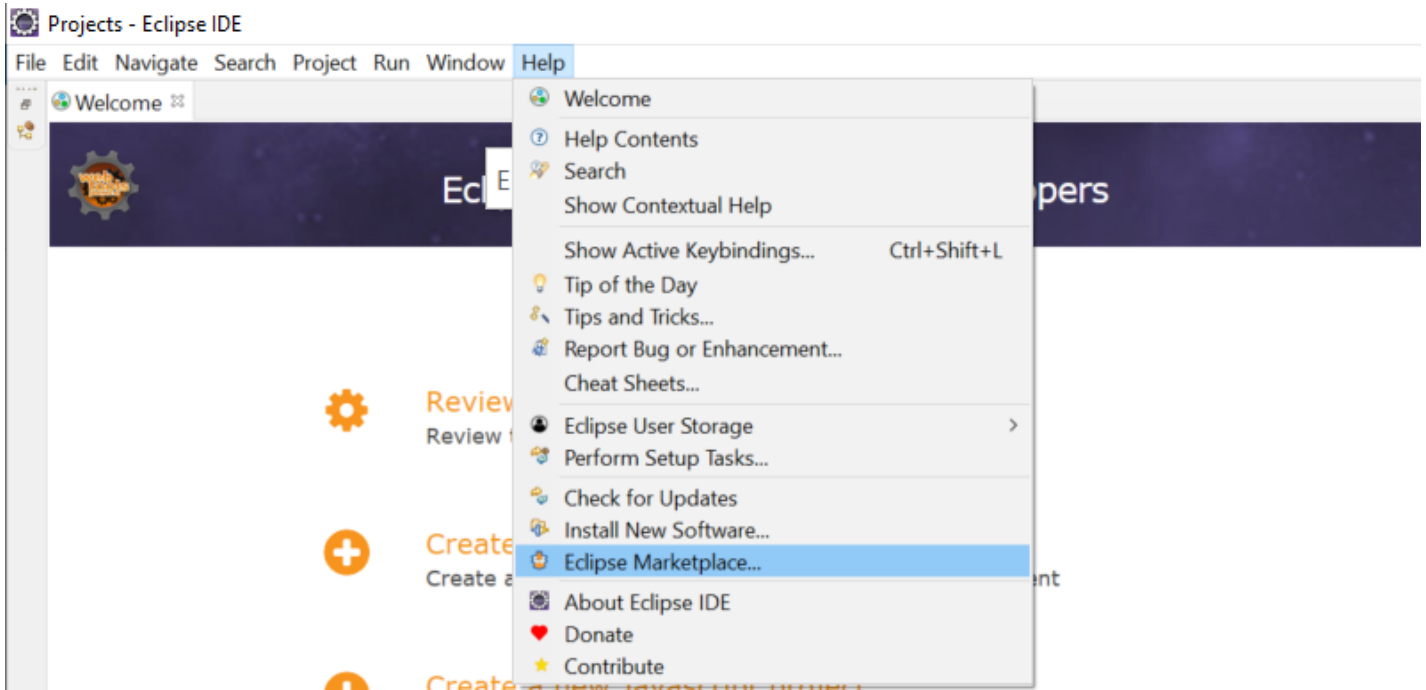
▼ [Assign User Roles](#) | [Start](#)

Assign roles to users or groups to determine access to system resources.

1. Add a new user or group
2. Assign one or more roles to that user or group

4. Mise en place de Wildfly dans Eclipse


























Nous allons maintenant lier notre Wildfly à Eclipse pour cela aller dans le Eclipse Marketplace et rechercher JBoss.

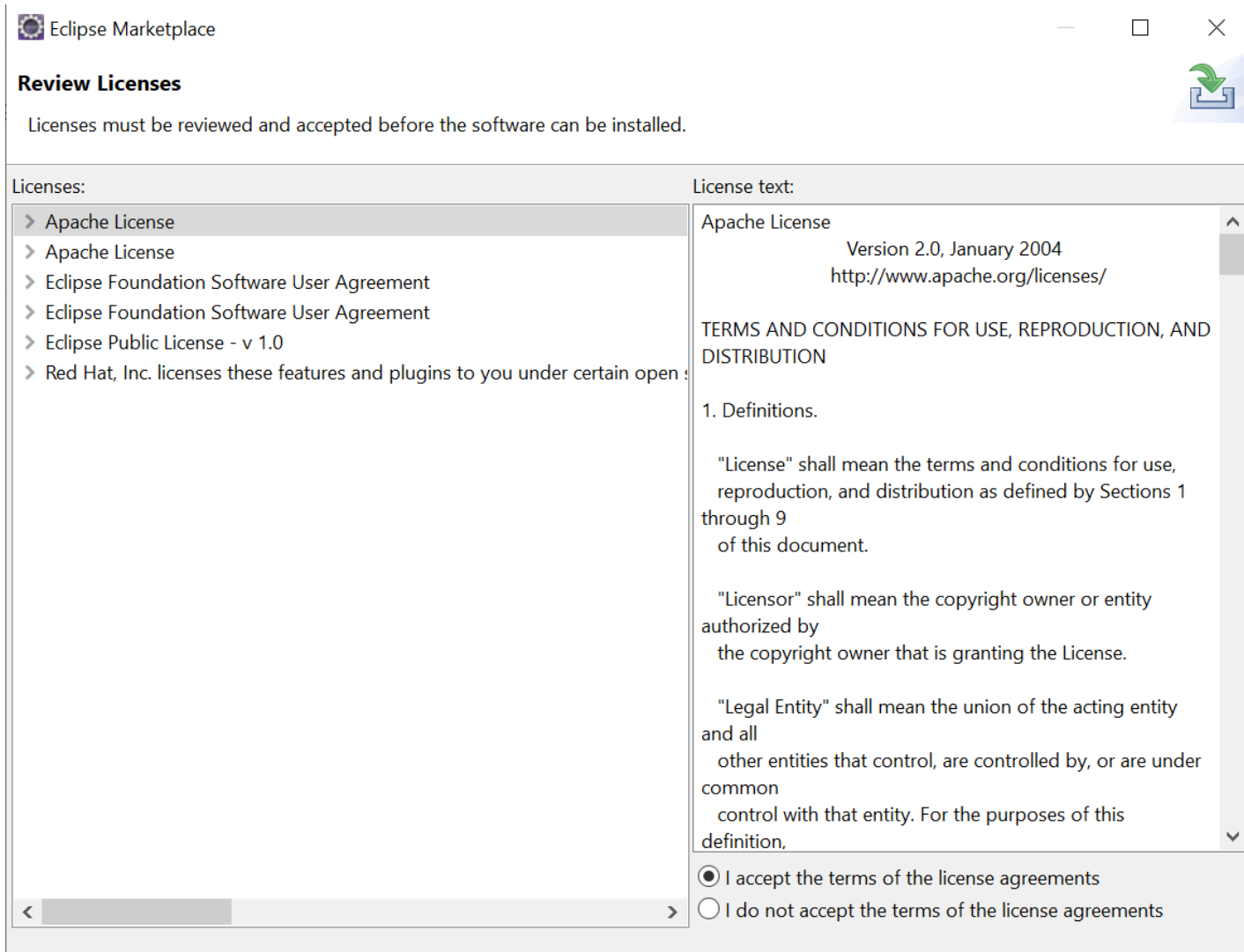




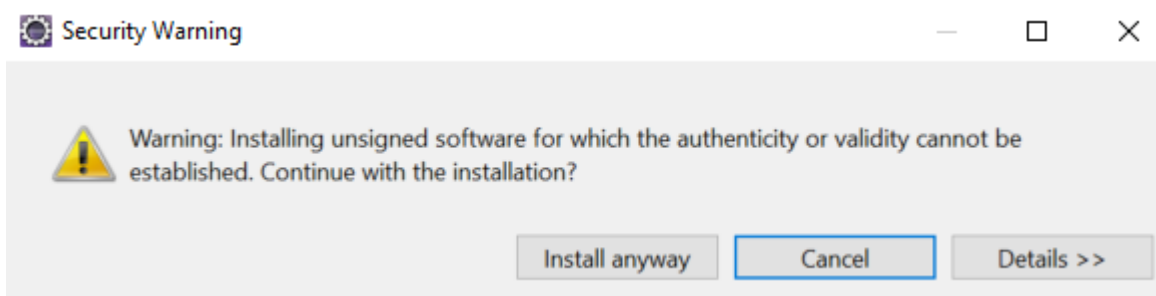
Confirm Selected Features

Press Confirm to continue with the installation. Or go back to choose more solutions to install.

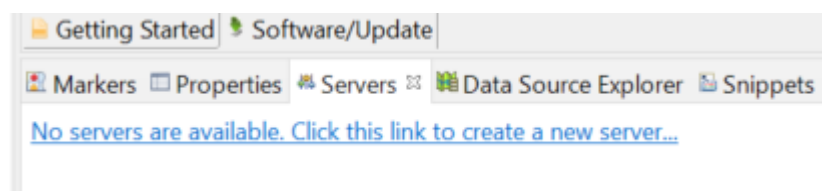
- ▼  JBoss Tools 4.16.0.Final <https://download.jboss.org/jbosstools/photon/stable/composite/4.16.0>
-  JBoss Tools Usage Reporting (required)
-  Apache Deltaspike Tools
-  Contexts and Dependency Injection Tools
-  Docker Tooling
-  Forge m2e extension for add-on classifiers
-  Forge Tools
-  Forge Tools Extensions (Experimental)
-  Hibernate Tools
-  Java EE Batch Configuration Tools
-  JavaScript Development Tools
-  JavaScript Development Tools Chromium/V8 Remote Debugger
-  JBoss Archives Tools
-  JBoss AS, WildFly & EAP Server Tools
-  JBoss Central Community
-  JBoss JAX-RS Tools
-  JBoss JAX-WS Tools
-  JBoss Maven CDI Configurator
-  JBoss Maven Endorsed Libraries Configurator
-  JBoss Maven Hibernate Configurator
-  JBoss Maven Integration
-  JBoss Maven Project Examples
-  JBoss Maven Spring Boot Configurator
-  JBoss OpenShift JavaScript Tools
-  JBoss OpenShift Tools



Cliquer sur **Install anyway** quand la fenetre ci-dessous s'ouvre.



Cliquer sur l'onglet **Servers** d'Eclipse.



New Server

Define a New Server

Choose the type of server to create

Select the server type:

- JBoss AS 6.x
- JBoss AS 7.0
- JBoss AS 7.1
- WildFly 8.x
- WildFly 9.x
- WildFly 10.x
- WildFly 11
- WildFly 12
- WildFly 13**

WildFly Application Server 13


Server's host name:

Server name:

New Server

Create a new Server Adapter

WildFly Application Server 13



A Server Adapter manages starting and stopping instances of your server. It manages command line arguments and keeps track of which modules have been deployed.

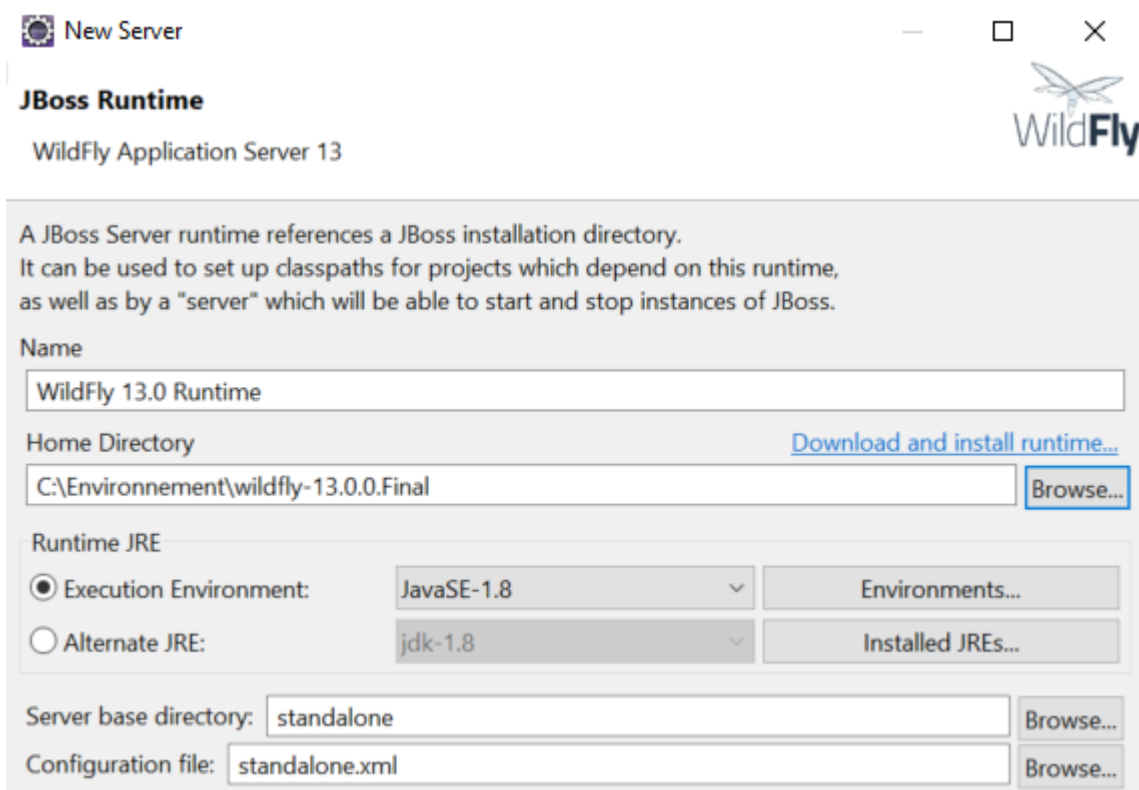
The server is: Local
 Remote

Controlled by: Filesystem and shell operations
 Management Operations

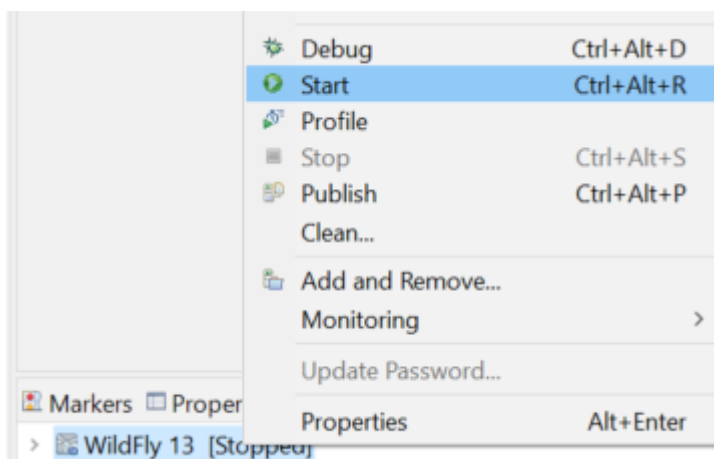
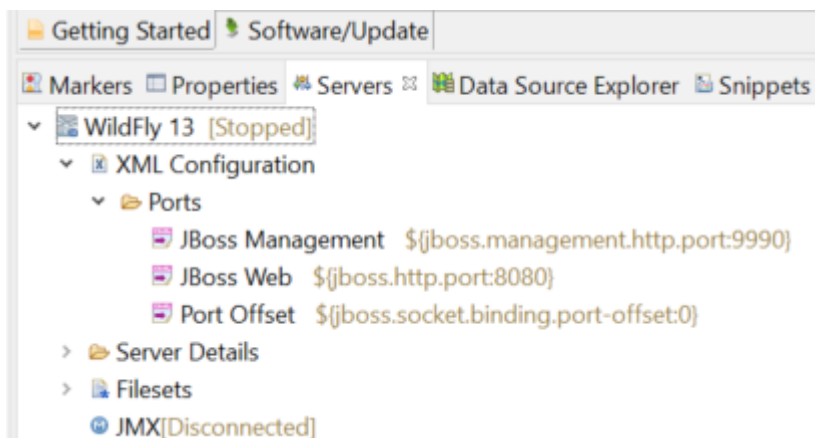
Server lifecycle is externally managed.

The selected profile requires a runtime.

Assign a runtime to this server



Pour terminer cliquer sur **Finish**.



On obtient donc sur la console :

Markers Properties Servers Data Source Explorer Snippets Console

WildFly 13 [JBoss Application Server Startup Configuration] C:\Program Files\Java\jdk-1.8\bin\javaw.exe (9 nov. 2024 16:29:55)


```

16:29:58,114 INFO [org.jboss.modules] (main) JBoss Modules version 1.8.5.Final
16:29:58,482 INFO [org.jboss.msc] (main) JBoss MSC version 1.4.2.Final
16:29:58,488 INFO [org.jboss.threads] (main) JBoss Threads version 2.3.2.Final
16:29:58,586 INFO [org.jboss.as] (MSC service thread 1-2) WFLYSRV0049: WildFly Full 13.0.0.Final (WildFly Core 5.0.0.Final) starting
16:29:59,460 INFO [org.jboss.as.controller.management-deprecated] (Controller Boot Thread) WFLYCTL0028: Attribute 'security-realm' in t
16:29:59,471 INFO [org.wildfly.security] (ServerService Thread Pool -- 22) ELY00001: WildFly Elytron version 1.3.3.Final
16:29:59,474 INFO [org.jboss.as.controller.management-deprecated] (ServerService Thread Pool -- 3) WFLYCTL0028: Attribute 'security-rea
16:29:59,508 INFO [org.jboss.as.server] (Controller Boot Thread) WFLYSRV0039: Creating http management service using socket-binding (ma
16:29:59,520 INFO [org.xnio] (MSC service thread 1-8) XNIO version 3.6.3.Final
16:29:59,524 INFO [org.xnio.nio] (MSC service thread 1-8) XNIO NIO Implementation Version 3.6.3.Final
16:29:59,555 INFO [org.jboss.as.security] (ServerService Thread Pool -- 60) WFLYSEC0002: Activating Security Subsystem
16:29:59,555 WARN [org.jboss.as.txn] (ServerService Thread Pool -- 62) WFLYTX0013: The node-identifier attribute on the /subsystem=tran
16:29:59,569 INFO [org.jboss.as.jaxrs] (ServerService Thread Pool -- 47) WFLYRS0016: RESTEasy version 3.5.1.Final
16:29:59,571 INFO [org.jboss.as.webservices] (ServerService Thread Pool -- 64) WFLYWS0002: Activating WebServices Extension
16:29:59,571 INFO [org.jboss.as.jsf] (ServerService Thread Pool -- 52) WFLYJSF0007: Activated the following JSF Implementations: [main]
16:29:59,573 INFO [org.jboss.as.clustering.infinispan] (ServerService Thread Pool -- 45) WFLYCLINF0001: Activating Infinispan subsystem
16:29:59,584 INFO [org.jboss.as.ee] (ServerService Thread Pool -- 41) WFLYEE0119: The system property 'ee8.preview.mode' is NOT set to
16:29:59,592 INFO [org.jboss.as.naming] (ServerService Thread Pool -- 54) WFLYNAM0001: Activating Naming Subsystem
16:29:59,600 INFO [org.jboss.as.security] (MSC service thread 1-2) WFLYSEC0001: Current PicketBox version=5.0.2.Final
16:29:59,601 INFO [org.jboss.as.connector.subsystems.datasources] (ServerService Thread Pool -- 38) WFLYJCA0004: Deploying JDBC-complia
16:29:59,601 INFO [org.jboss.as.connector] (MSC service thread 1-1) WFLYJCA0009: Starting JCA Subsystem (WildFly/IronJacamar 1.4.9.Fina
16:29:59,614 INFO [org.wildfly.extension.undertow] (MSC service thread 1-6) WFLYUT0003: Undertow 2.0.9.Final starting
16:29:59,667 INFO [org.jboss.as.connector.deployers.jdbc] (MSC service thread 1-3) WFLYJCA0018: Started Driver service with driver-name
16:29:59,675 INFO [org.jboss.as.naming] (MSC service thread 1-2) WFLYNAM0003: Starting Naming Service
16:29:59,676 INFO [org.jboss.as.mail.extension] (MSC service thread 1-6) WFLYMAIL0001: Bound mail session [java:jboss/mail/Default]
16:29:59,753 INFO [org.wildfly.extension.undertow] (ServerService Thread Pool -- 63) WFLYUT0014: Creating file handler for path 'C:\Env
16:30:00,056 INFO [org.wildfly.extension.io] (ServerService Thread Pool -- 46) WFLYIO001: Worker 'default' has auto-configured to 16 co
16:30:00,061 INFO [org.jboss.as.ejb3] (MSC service thread 1-4) WFLYEJB0482: Strict pool mdb-strict-max-pool is using a max instance siz
16:30:00,062 INFO [org.jboss.as.ejb3] (MSC service thread 1-6) WFLYEJB0481: Strict pool slsb-strict-max-pool is using a max instance si
16:30:00,110 INFO [org.wildfly.extension.undertow] (MSC service thread 1-4) WFLYUT0012: Started server default-server.
16:30:00,112 INFO [org.jboss.remoting] (MSC service thread 1-1) JBoss Remoting version 5.0.7.Final
16:30:00,115 INFO [org.wildfly.extension.undertow] (MSC service thread 1-2) WFLYUT0018: Host default-host starting
16:30:00,121 INFO [org.jboss.as.patching] (MSC service thread 1-5) WFLYPAT0050: WildFly Full cumulative patch ID is: base, one-off patches include: none
16:30:00,144 WARN [org.jboss.as.domain.management.security] (MSC service thread 1-1) WFLYDM0111: Keystore C:\Environnement\wildfly-13.0.0.Final\standalone\configuration\application.keystore
16:30:00,153 INFO [org.jboss.as.server.deployment.scanner] (MSC service thread 1-1) WFLYDS0013: Started FileSystemDeploymentService for directory C:\Environnement\wildfly-13.0.0.Final\standa
16:30:00,184 INFO [org.wildfly.extension.undertow] (MSC service thread 1-7) WFLYUT0006: Undertow HTTP listener default listening on 127.0.0.1:8080
16:30:00,190 INFO [org.jboss.as.ejb3] (MSC service thread 1-6) WFLYEJB0493: EJB subsystem suspension complete
16:30:00,349 INFO [org.jboss.as.connector.subsystems.datasources] (MSC service thread 1-3) WFLYJCA0001: Bound data source [java:jboss/datasources/ExampleDS]
16:30:00,546 INFO [org.wildfly.extension.undertow] (MSC service thread 1-4) WFLYUT0006: Undertow HTTPS listener https listening on 127.0.0.1:8443
16:30:00,588 INFO [org.jboss.ws.common.management] (MSC service thread 1-3) JBWS022052: Starting JBossWS 5.2.1.Final (Apache CXF 3.2.4.jbossorg-1)
16:30:00,625 INFO [org.jboss.as.server] (Controller Boot Thread) WFLYSRV0212: Resuming server
16:30:00,626 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0060: Http management interface listening on http://127.0.0.1:9990/management
16:30:00,626 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0051: Admin console listening on http://127.0.0.1:9990
16:30:00,626 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: WildFly Full 13.0.0.Final (WildFly Core 5.0.0.Final) started in 2828ms - Started 290 of 511 services (308 services are


```



5. Installation de Wamp Server

Télécharger **Wamp 3.2.0** sur https://elhadji-gaye.fr/Installations/Wamp/3-2-0/wampserver3.2.0_x64.zip

Nom	Modifié le	Type	Taille
 wampserver3.2.0_x64	25/09/2020 22:08	Application	530 253 Ko


Nom

-  wampserver3.2.0_x64

-  Exécuter en tant qu'administrateur
-  Partager avec Skype
- Résoudre les problèmes de compatibilité

Installation - Wampserver64 3.2.0

Dossier de destination
Où Wampserver64 doit-il être installé ?

 L'assistant va installer Wampserver64 dans le dossier suivant.

Pour continuer, cliquez sur Suivant. Si vous souhaitez choisir un dossier différent, cliquez sur Parcourir.

c:\wamp64 Parcourir...

Installation - Wampserver64 3.2.0

Composants à installer
Quels composants de l'application souhaitez-vous installer ?

Sélectionnez les composants que vous désirez installer ; décochez les composants que vous ne désirez pas installer. Cliquez ensuite sur Suivant pour continuer l'installation.
Notez que vous avez la possibilité, après cette installation, d'ajouter des "addons", c'est-à-dire d'autres versions d'Apache, PHP, MySQL et MariaDB.

Installation personnalisée

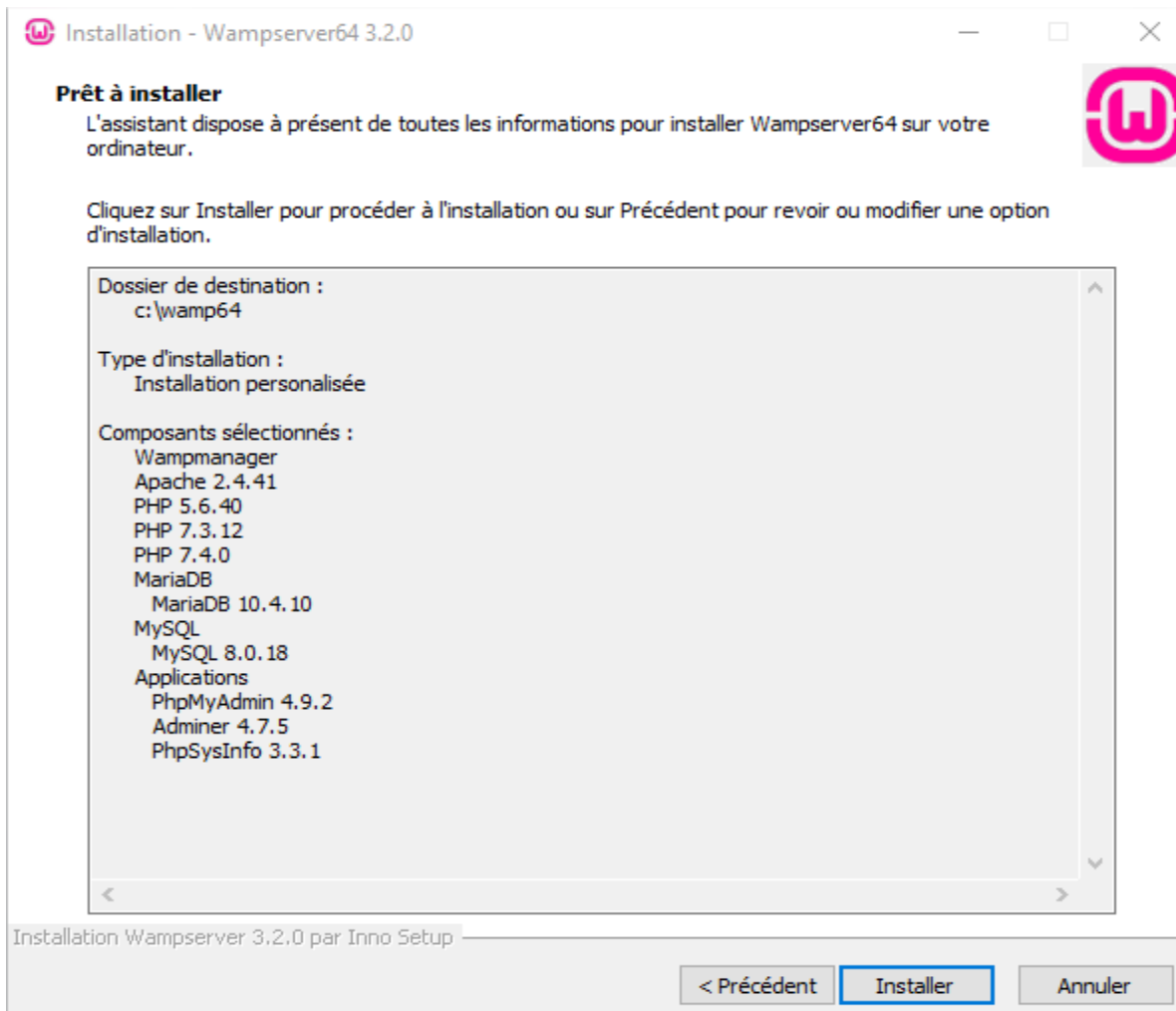
- Wampmanager
- Apache 2.4.41
- PHP 5.6.40 56,1 Mo
- PHP 7.0.33 59,3 Mo
- PHP 7.1.33 58,7 Mo
- PHP 7.2.25 65,2 Mo
- PHP 7.3.12 66,0 Mo
- PHP 7.4.0 67,2 Mo
- MariaDB 207,3 Mo
 - MariaDB 10.4.10 207,3 Mo
 - MariaDB 10.3.20 323,9 Mo
- MySQL 1 170,2 Mo
 - MySQL 8.0.18 1 170,2 Mo
 - MySQL 5.7.28 1 816,9 Mo
- Applications
 - PhpMyAdmin 4.9.2
 - Adminer 4.7.5

Les composants sélectionnés nécessitent au moins 1,61 Go d'espace disponible.

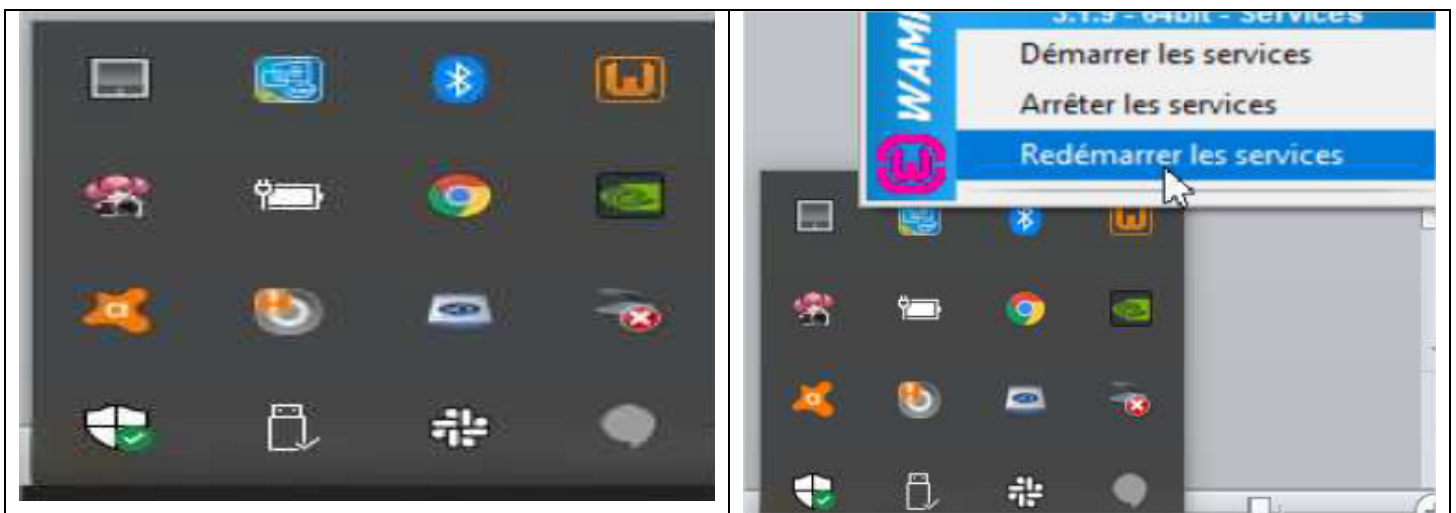
Installation Wampserver 3.2.0 par Inno Setup

< Précédent Suivant > Annuler

Selectionner **MYSQL 8**.



Si après le lancement de votre Wamp l'icône du Wamp est rose alors redémarrer tous les services de Wamp avec le clic de gauche.

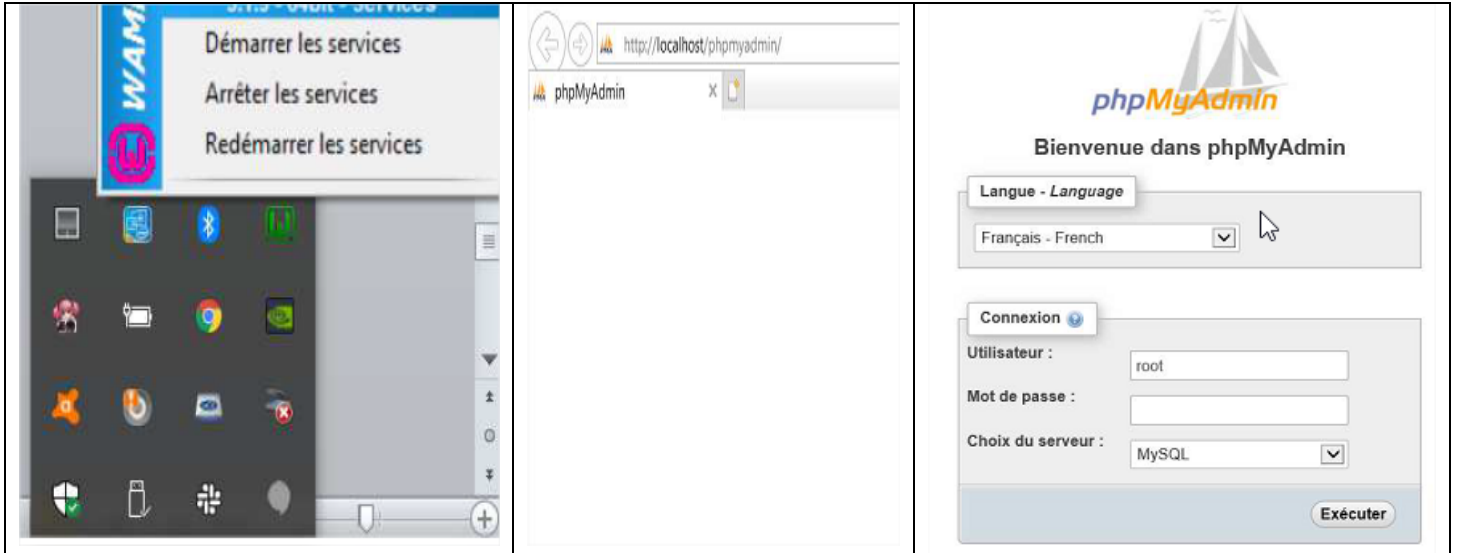


Vous devez obligatoirement obtenir une icône vert. Sinon redémarrer votre ordinateur complètement.

Si après redémarrage l'erreur persiste alors désinstaller le Wamp installer et avant de le ré-installer à nouveau installer d'abord tous les programmes Visual C sur <https://elhadji-gaye.fr/Installations/Wamp/Visual-C.zip>.

Si l'erreur persiste après l'installation des programmes Visual C alors alors désinstaller le Wamp installer et avant de le ré-installer à nouveau mettre le fichier https://elhadji-gaye.fr/Installations/Wamp/3-2-0/vcruntime140_1.zip et le mettre C:\Windows\System32.

Quand tout est OK alors aller sur <http://localhost/phpmyadmin/>



III) Libération de port

1. Avec resmon.exe

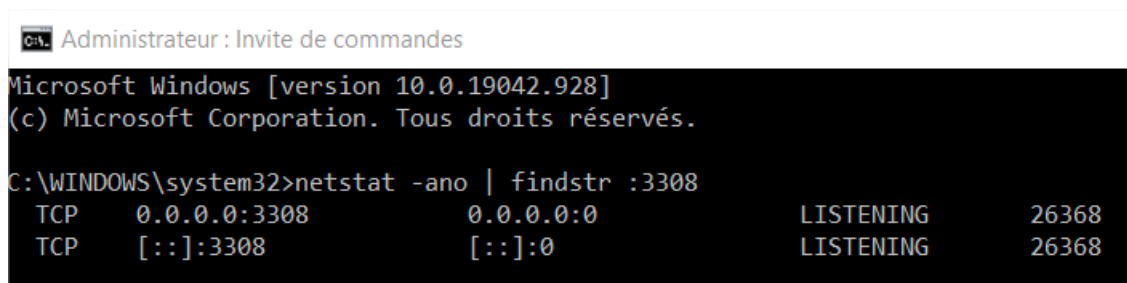
Lancer le programme **resmon.exe** et aller dans Network -> Listening Port.

2. Avec netstat

```
netstat -ano | findstr :<MonPort>  
taskkill /F /pid <MonPidDePort>
```

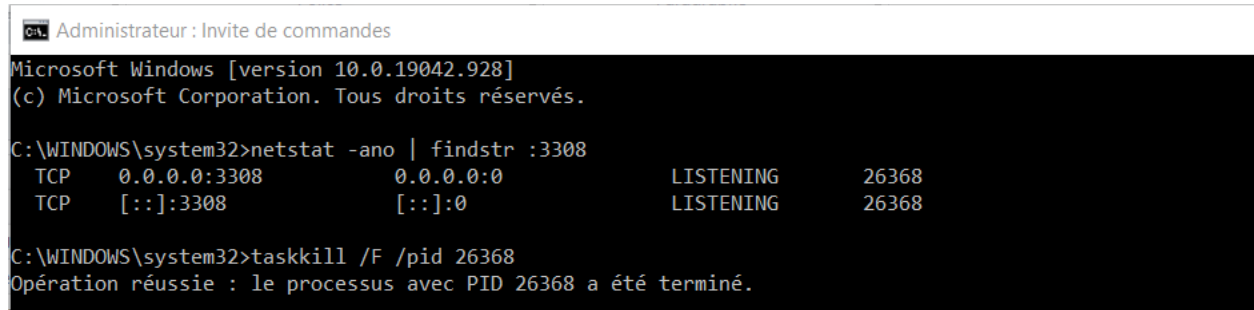
Exemple :

```
netstat -ano | findstr :3308
```



```
Administrateur : Invite de commandes  
Microsoft Windows [version 10.0.19042.928]  
(c) Microsoft Corporation. Tous droits réservés.  
C:\WINDOWS\system32>netstat -ano | findstr :3308  
TCP    0.0.0.0:3308      0.0.0.0:0        LISTENING       26368  
TCP    [::]:3308       [::]:0           LISTENING       26368
```

```
taskkill /F /pid 26368
```



```
Administrateur : Invite de commandes  
Microsoft Windows [version 10.0.19042.928]  
(c) Microsoft Corporation. Tous droits réservés.  
C:\WINDOWS\system32>netstat -ano | findstr :3308  
TCP    0.0.0.0:3308      0.0.0.0:0        LISTENING       26368  
TCP    [::]:3308       [::]:0           LISTENING       26368  
C:\WINDOWS\system32>taskkill /F /pid 26368  
Opération réussie : le processus avec PID 26368 a été terminé.
```