

# **SOFTEAM Cadextan**

*Faites de votre projet un succès*

TRAINING : DEVOPS & CONTINUOUS DEPLOYMENT

PRACTICAL : CONTINUOUS DEPLOYMENT

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SOFTEAM Cadextan

Training : DevOps-Continuous Deployment



START PAGE : XL DEPLOY

XebiaLabs[Support](#) [Contact](#)

Enter your XL Deploy license

Thank you for installing XL Deploy! To get started, please enter the license key that you received by email.

If you haven't received a license key, please [contact XebiaLabs](#).

Paste your license key here

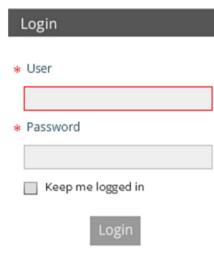
[Install license](#) [Get started](#)

Are you having trouble, or do you want to extend your license?  
[Contact XebiaLabs](#) and we'll help you out.

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Enter the licence of XL Deploy  
Click -> Install license

## XL DEPLOY : LOGIN



The image shows a login form titled "Login". It contains two input fields: "User" and "Password", both marked with a red asterisk (\*) indicating they are required. Below these fields is a checkbox labeled "Keep me logged in". At the bottom of the form is a "Login" button.

User : admin

Password : password

Click -> Login

## XL DEPLOY : CREATE AN APPLICATION

The screenshot shows the XL Deploy 5.1.3 interface. On the left, the 'Repository' view displays a tree structure with a context menu open over the 'Applications' node. The menu options are 'New', 'Directory', and 'Application'. The 'New' option is highlighted. On the right, the 'Repository Workspace' window is open, titled 'Create MY-APP'. It contains the following fields:

- Id:** Applications/MY-APP
- Name:** MY-APP
- Type:** udm.Application

Below these fields is a tab bar with 'Common' and 'Deployment' tabs, where 'Common' is selected. Under the 'Common' tab, there is a 'Pipeline' section with a dropdown menu set to 'Choose one'. A note below the pipeline dropdown states: 'The deployment pipeline for this application'.

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Repository > Applications > New > Application

Name : MY-APP

XL DEPLOY : CREATE AN INFRASTRUCTURE

The screenshot shows the XL Deploy 5.1.3 interface. The top navigation bar includes Deployment, Release Dashboard, Repository (selected), Reports, and Admin. The left sidebar has sections for Applications, Environments, Infrastructure (selected), and Co. A context menu for Infrastructure is open, showing options like New, Discover, Directory, overthere, wls, and xl. The main workspace is titled "Repository Workspace" and "Create DEV-SERVER". It contains fields for Id (Infrastructure/DEV-SERVER), Name (DEV-SERVER), and Type (overthere.LocalHost). A dropdown menu for Type shows options: CifsHost, Advanced, Deployment, LocalHost (selected), SshHost, SshJumpstation, and UNIX. A tooltip for UNIX says "Operating system the host runs". At the bottom, there are buttons for Save, Cancel, and Help.

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Repository > Infrastructure > New > overthere > LocalHost

Name : DEV-SERVER

Operating system : UNIX

Click -> Save

**XL DEPLOY : CREATE A DICTIONARY**

The screenshot shows the XL Deploy interface with the following details:

- Repository Workspace:** Create DEV-DIC
- Common Tab:**
  - ID:** Environments/DEV-DIC
  - Name:** DEV-DIC
  - Type:** udm.Dictionary
- Dictionary Tab:** Contains a table with one entry: KEY1 | VALUE1
- Encrypted Entries Tab:** Contains a table with one entry: Key | Value

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Repository > Environments > New > Dictionary

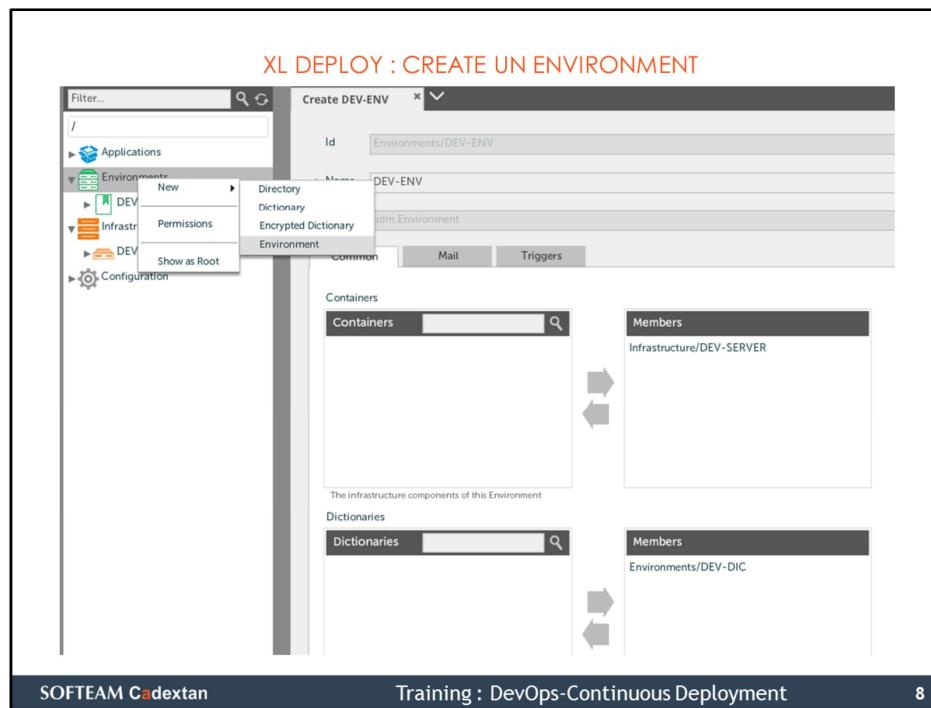
Name : DEV-DIC

Common > Entries > Click -> +

Key : KEY1

Value : VALUE1

Click -> Save



Repository > Environments > New > Environment

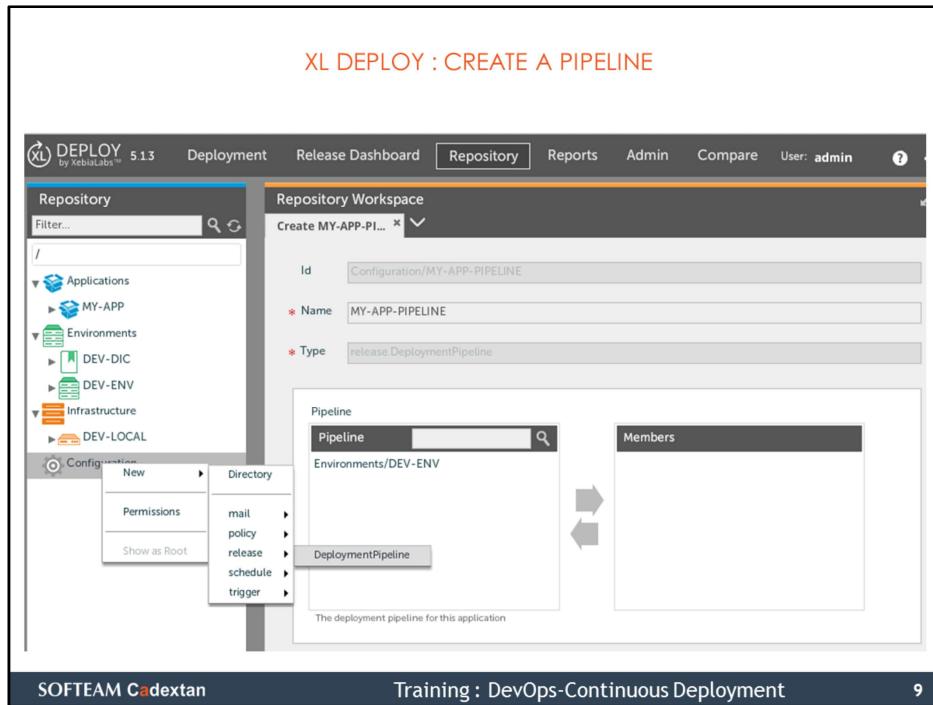
Name : DEV-ENV

Common > Containers

Double click -> Infrastructure/DEV-SERVER

Common > Dictionaries

Double click -> Environments/DEV-DIC



Repository > Configuration > New > release > DeploymentPipeline  
Name : MY-APP-PIPELINE

Pipeline >  
Double click Environments/DEV-ENV

**XL DEPLOY : LINK APPLICATION TO PIPELINE**

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Repository > Applications > MY-APP

Choose : MY-APP-PIPELINE

Click -> Save

## THE APPLICATION PIPELINE

The screenshot shows the 'DEPLOY 5.5.1 Deployment' application interface. At the top, there is a navigation bar with links: Release Dashboard, Repository, Reports, Admin, Compare, Provisioning, and User. Below the navigation bar, the main area is titled 'Deployment pipeline'. On the left, there is a sidebar titled 'Applications' with a search bar and a list containing a single item: 'MY-APP'. To the right of the sidebar, the 'Deployment pipeline' section displays a tree structure for 'MY-APP' under 'DEV-ENV', which contains a single cube icon representing a deployment stage or artifact.

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Gogs - Go Git Service  
<https://gogs.io/>

## GOGS : INSTALL 1/2

**Instructions pour la première exécution**

Si vous exécutez Gogs grâce à Docker, merci de lire la [procédure](#) attentivement avant de modifier quoi que ce soit sur cette page !

**Paramètres de la base de données**

Gogs requiert MySQL, PostgreSQL, SQLite3 ou TiDB.

Type de base de données \*

Chemin \*

Le chemin du fichier de base de données SQLite3 ou TiDB.  
Utilisez un chemin absolu lorsque vous démarrez en tant que service.

When you will access to gogs web site, you will be redirected to install page (only first time)

Choose SQLite3

Go to next slide

**GOGS : INSTALL 2/2**

**Paramètres facultatifs**

- ▶ Paramètres du Service de Messagerie
- ▼ Paramètres du serveur et des autres services
  - Activer le mode hors connexion
  - Désactiver le service Gravatar
  - Désactiver le formulaire d'inscription
  - Activez le Captcha
  - Demander une connexion pour afficher des pages
- ▼ Paramètres du compte administrateur

Vous n'avez pas besoin de créer un compte administrateur. L'utilisateur ayant l'ID = 1 aura automatiquement accès à l'administration.

Nom d'utilisateur	root
Mot de passe	.....
Confirmez le mot de passe	.....
E-mail de l'administrateur	root@devops.local

**Installer Gogs**

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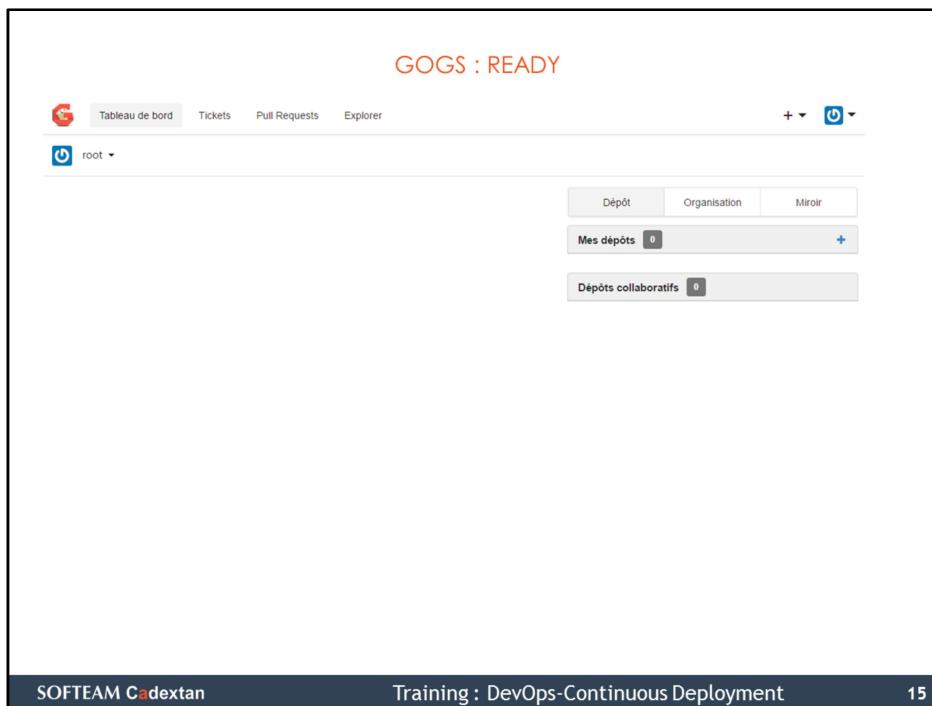
Enable : Offline mode

Username : root

Password : password

Email : root@devops.local

-> Install



My repositories -> +

**GOGS : CREATE REPOSITORY**

Nouveau dépôt

Propriétaire *	<input type="button" value="root"/>
Nom du Dépôt *	devops-codesource
Idéalement, le nom d'un dépôt devrait être court, mémorable et unique.	
Visibilité	<input type="checkbox"/> Ce dépôt est <b>privé</b>
Description	Bienvenue à {{KEY1}}
Langue	Sélectionnez les fichiers .gitignore
Licence	Sélectionner un fichier de licence
Fichier Readme ⓘ	Default
<input checked="" type="checkbox"/> Initialiser ce dépôt avec le modèle et les fichiers sélectionnés	
<input type="button" value="Créer un dépôt"/> <input type="button" value="Annuler"/>	

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Name : devops-codesource

Description : Bienvenue à {{KEY1}}

Check : Init the repository with the model

-> Create the repository

GOOG : THE CREATED REPOSITORY

Tableau de bord Tickets Pull Requests Explorer + ⚙️

root / devops-codesource Ne plus suivre 1 Voter 0 Fork 0

Code Tickets 0 Pull Requests 0 Commits 1 Publications 0 Wiki Paramètres

Bienvenue à {{KEY1}}

Branch master devops-codesource HTTP SSH http://localhost:3000/root/dev

root e7d94be101 initial commit 1 seconde auparavant

README.md e7d94be101 initial commit 1 seconde auparavant

README.md

**devops-codesource**

Bienvenue à {{KEY1}}

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The screenshot shows the Goog (Gitee) web interface for a newly created repository named 'devops-codesource'. At the top, there's a navigation bar with links for 'Tableau de bord', 'Tickets', 'Pull Requests', and 'Explorer'. Below the title 'GOOG : THE CREATED REPOSITORY', there's a header for the repository 'root / devops-codesource' with metrics for 'Ne plus suivre' (1), 'Voter' (0), and 'Fork' (0). A tabs menu includes 'Code', 'Tickets 0', 'Pull Requests 0', 'Commits 1', 'Publications 0', 'Wiki', and 'Paramètres'. The main content area starts with a welcome message 'Bienvenue à {{KEY1}}'. It shows two commits: one from 'root' at commit hash 'e7d94be101' labeled 'initial commit' made '1 seconde auparavant', and another from 'README.md' at the same hash labeled 'initial commit' made '1 seconde auparavant'. Below the commits is a preview of the 'README.md' file content, which contains the text '**devops-codesource**'. The bottom of the page has a footer with 'SOFTEAM Cadextan', 'Training : DevOps-Continuous Deployment', and the number '17'.



JENKINS : READY

-  Nouveau Item
-  Utilisateurs
-  Historique des constructions
-  Administre Jenkins
-  Credentials

## Bienvenue sur Jenkins !

Veuillez [créer un nouveau job](#) pour démarrer.

### File d'attente des constructions

File d'attente des constructions vide

### Etat du lanceur de compilations

- 1 Au repos
- 2 Au repos

-> Administrate Jenkins

## JENKINS : ADMIN

### Administrer Jenkins

Un Jenkins non sécurisé autorise quiconque sur le réseau à lancer des processus en votre nom. Veuillez considérer l'activation de l'authentification pour décourager ce mauvais usage.

[Configuration de la sécurité](#)

[Ignorer](#)



[Configurer le système](#)

Configurer les paramètres généraux et les chemins de fichiers.



[Configurer la sécurité globale](#)

Sécuriser Jenkins; définir qui est autorisé à accéder au système.



[Recharger la configuration à partir du disque](#)

Supprimer toutes les données en mémoire et recharger tout à partir du système de fichiers. Utile quand vous modifiez les fichiers de configuration directement sur le disque.



[Gestion des plugins](#)

Ajouter, supprimer, activer ou désactiver des plugins qui peuvent étendre les fonctionnalités de Jenkins. **(mises à jour disponibles)**

-> Manage plugins

JENKINS : PLUGINS

Mises à jour Disponibles Installés Avancé

**Configuration du proxy HTTP**

Serveur  ?  
Port  ?  
Nom d'utilisateur  ?  
Mot de passe   
No Proxy Host  ?

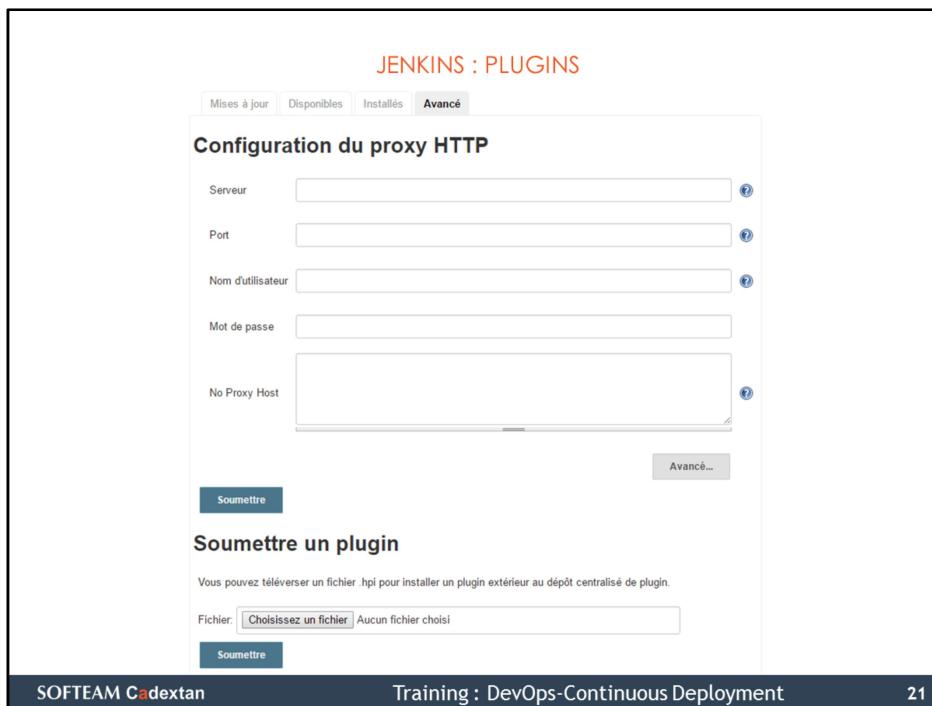
**Soumettre un plugin**

Vous pouvez téléverser un fichier .hpi pour installer un plugin extérieur au dépôt centralisé de plugin.

Fichier:  Choisissez un fichier Aucun fichier choisi

**Soumettre**

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Use this form to upload the 4 plugins on :  
.\\training-devops-v2-continuous-deployment\\jenkins-plugins

- 1-deployit-plugin-5.0.2.hpi
- 2-scm-api-1.2.hpi
- 3-git-client-1.19.6.hpi
- 4-git-2.4.4.hpi

## JENKINS : PLUGINS INSTALLATION

### Installation/Mise à jour des Plugins

Préparation	
deployit-plugin	<span style="color: green;">● Succès</span>
Préparation	
scm-api	<span style="color: green;">● Succès</span>
Préparation	
git-client	<span style="color: green;">● Succès</span>
Préparation	
git	<span style="color: green;">● Succès</span>

 [Revenir en haut de la page](#)  
(vous pouvez commencer à utiliser les plugins installés dès maintenant)

  Redémarrer Jenkins quand l'installation est terminée et qu'aucun job n'est en cours

Check to restart jenkins

**JENKINS : CONFIGURE XL DEPLOY**

---

**XL Deploy**

Default Server Url	<input type="text" value="http://xldeploy:4516"/>						
Default Proxy Url	<input type="text"/>						
Connection Pool Size	<input type="text" value="10"/>						
Credentials	<table border="1"><tr><td>Name</td><td>admin-credentials</td></tr><tr><td>Username</td><td>admin</td></tr><tr><td>Password</td><td>.....</td></tr></table>	Name	admin-credentials	Username	admin	Password	.....
Name	admin-credentials						
Username	admin						
Password	.....						

Use non-default XL Deploy Server  
Your XL Deploy instance [5.1.3] is alive, and your credentials are valid!

---

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Go to -> Admin > Manage system > XL Deploy section

Default server url : http://xldeploy:4516

Credentials - Name : admin-credentials

Credentials – Username : admin

Credentials – Password : password

-> Test Connection

-> Save

**JENKINS : CREATE A JOB**

Nom du Item

**Construire un projet free-style**  
Ceci est la fonction principale de Jenkins qui se  
Vous pouvez intégrer tous les outils de gestion.  
Il est même possible d'utiliser Jenkins pour tout

**Construire un projet maven**  
Construit un projet avec maven. Jenkins utilise  
l'effort de configuration. Cette fonctionnalité est  
retours.

**Construire un projet multi-configuration**  
Adapté aux projets qui nécessitent un grand nombre  
environnements de test multiples, des binaires :

**External Job**  
Ce type de tâche permet de suivre l'exécution d'  
machine distante.  
Cette option permet l'utilisation de Jenkins comme  
d'automatisation.  
Voir [la documentation](#) pour plus de détails.

File d'attente des constructions

File d'attente des constructions vide

Etat du lanceur de compilations

1 Au repos  
2 Au repos

OK

-> New item

Item name : job-cd

Select : Build project free style

**JENKINS : CONFIGURE JOB - GIT**

Gestion de code source

Aucune  
CVS  
CVS Projectset  
Git

Repositories

Repository URL: http://gogs:3000/root/devops-codesource.git

Credentials: - none -

Add

Avancé...

Add Repository Delete Repository

Branches to build

Branch Specifier (blank for 'any'): \*/\master

Add Branch Delete Branch

Navigateur de la base de code: (Auto)

Additional Behaviours

Check out to a sub-directory  
Local subdirectory for repo: sources

Supprimer

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Choose : Git

Repository Url : <http://gogs:3000/root/devops-codesource.git>

> Additional Behaviours > Check out to sub-directory

Local subdirectories : sources

Go next slide

JENKINS : CONFIGURE JOB - XL DEPLOY - APPLICATION

Actions à la suite du build

Deploy with XL Deploy

Global server credential  

Please Save or Apply changes before you continue. Changing credentials  may unintentionally change your deployables' types - check the definitions afterward.

Override credential 

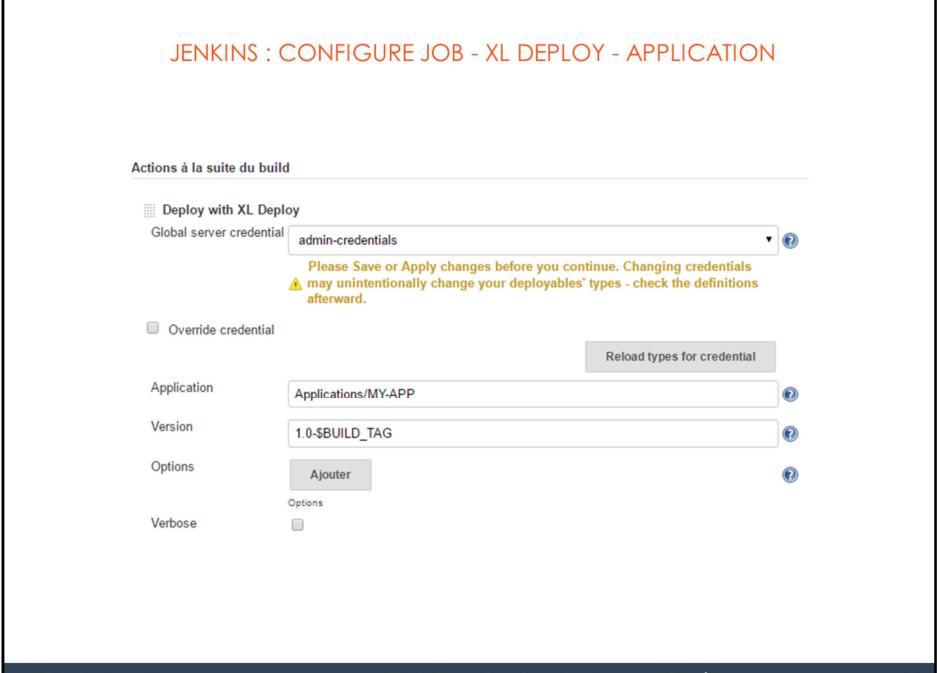
Application  

Version  

Options  

Verbose

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> Add a step after the build > Deploy with XL Deploy

Application : Applications/MY-APP

Version : 1.0-\$BUILD\_TAG

Go next slide

JENKINS : CONFIGURE JOB - XL DEPLOY - PACKAGE

Package application

Deployables

Artifact

Type	file.Folder
Name	RepoFolder
Tags	
Location	sources

Properties

Name	createTargetPath
Value	

**Supprimer**

Name	targetPath
Value	/dpl

**Supprimer**

**Ajouter**

Properties

Check : Package application

> Add Deployables > Artifact

Type : file.Folder

Name : RepoFolder

Location : sources

Add properties

Name : createTargetPath

Value : true

Add properties

Name : targetPath

Value : /dpl

## JENKINS : CONFIGURE JOB - XL DEPLOY - PUBLISH

Publish package to XL Deploy

Generated ▾

Check : Publish package to XL Deploy

-> Save



JENKINS : BUILD THE JOB

**Projet job-cd**

- Retour au tableau de bord
- État
- Modifications
- Répertoire de travail
- Lancer un build**
- Supprimer Projet
- Configurer

**Historique des builds** tendance

find

#2 29 mai 2016 01:13

[RSS des builds](#) [RSS des échecs](#)

**Liens permanents**

- Dernier build (#2), il y a 43 s
- Dernier build stable (#2), il y a 43 s
- Dernier build avec succès (#2), il y a 43 s
- Last completed build (#2), il y a 43 s

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-> Run a build

-> Log of the build

## JENKINS : THE LOG OF THE BUILD

### Sortie de la console

```
Started by user anonymous
Building in workspace /var/jenkins_home/jobs/job-cd/workspace
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url http://gogs:3000/root/devops-codesource.git # timeout=10
Fetching upstream changes from http://gogs:3000/root/devops-codesource.git
> git --version # timeout=10
> git -c core.askpass=true fetch --tags --progress http://gogs:3000/root/devops-codesource.git
+refs/heads/*:refs/remotes/origin/*
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 538eb9ef78979f8774cc5879b906fd0d4c08025 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 538eb9ef78979f8774cc5879b906fd0d4c08025
First time build. Skipping changelog.
Info: Package application Applications/MY-APP, version 1.0-jenkins-job-cd-2
Info: Searching for 'sources/README.md' in '/var/jenkins_home/jobs/job-cd/workspace'
Info: Found file(s): [sources/README.md]
Info: Application Applications/MY-APP has been packaged /var/jenkins_home/jobs/job-
cd/workspace/deployitpackage/MY-APP-1.0-jenkins-job-cd-2.dar
Info: Import the deployment package /var/jenkins_home/jobs/job-cd/workspace/deployitpackage/MY-APP-
1.0-jenkins-job-cd-2.dar
Info: The package /var/jenkins_home/jobs/job-cd/workspace/deployitpackage/MY-APP-1.0-jenkins-job-cd-
2.dar has been imported.
Finished: SUCCESS
```

The log of the build



**5** DEPLOY WITH:  
XL DEPLOY

**XL DEPLOY : CHECK THE DEPLOYABLE**

**Repository Workspace**

**1.0-jenkins-job-cd-2**

**Id:** Applications/MY-APP/1.0-jenkins-job-cd-2

**Name:** 1.0-jenkins-job-cd-2

**Type:** udm.DeploymentPackage

**Orchestrator:** [Empty]

The orchestrators that are used to create the deployment plan. Orchestrators will be applied in order.

**Application:** MY-APP

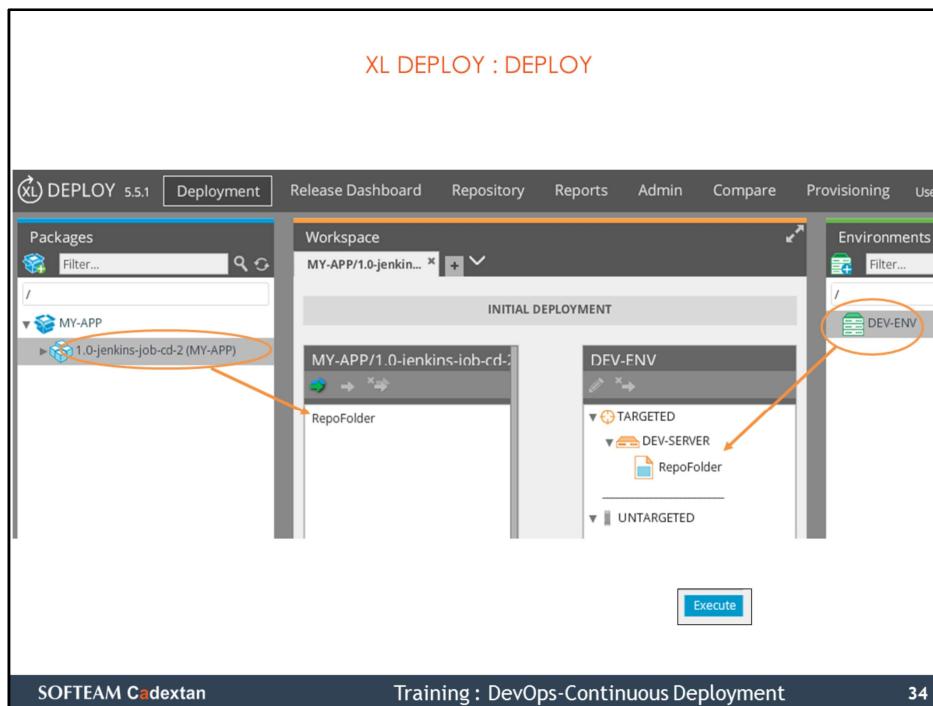
The application this version belongs to.

**Deployables:** Deployables

**Members:** Applications/MY-APP/1.0-jenkins-job-cd-2/RepoFolder

Repository > Applications > MY-APP >

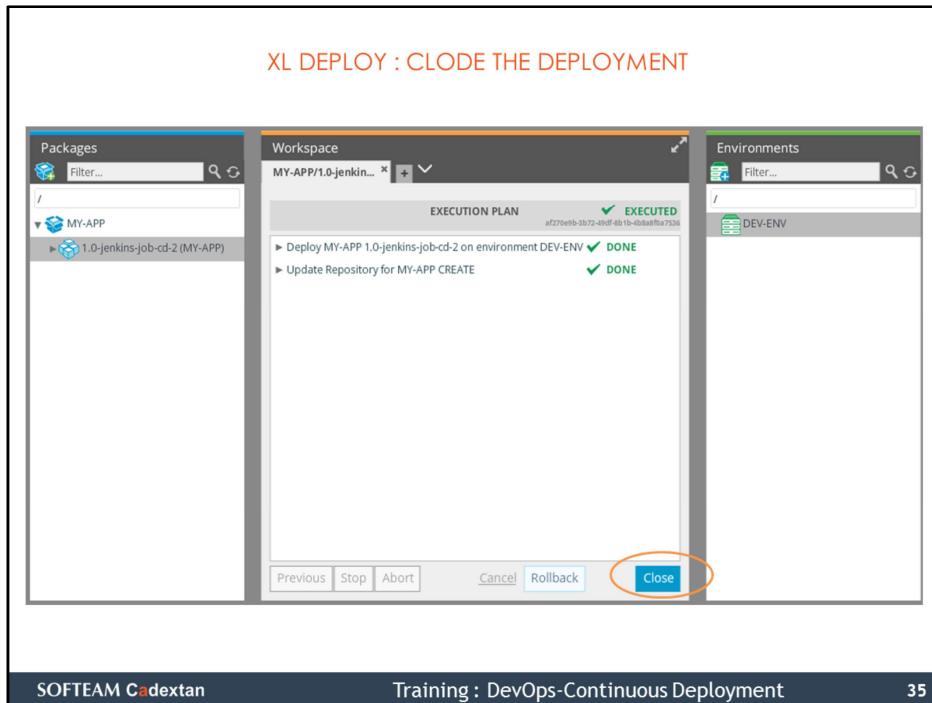
-> Cancel



Drag and the drop the environment, following the arrow

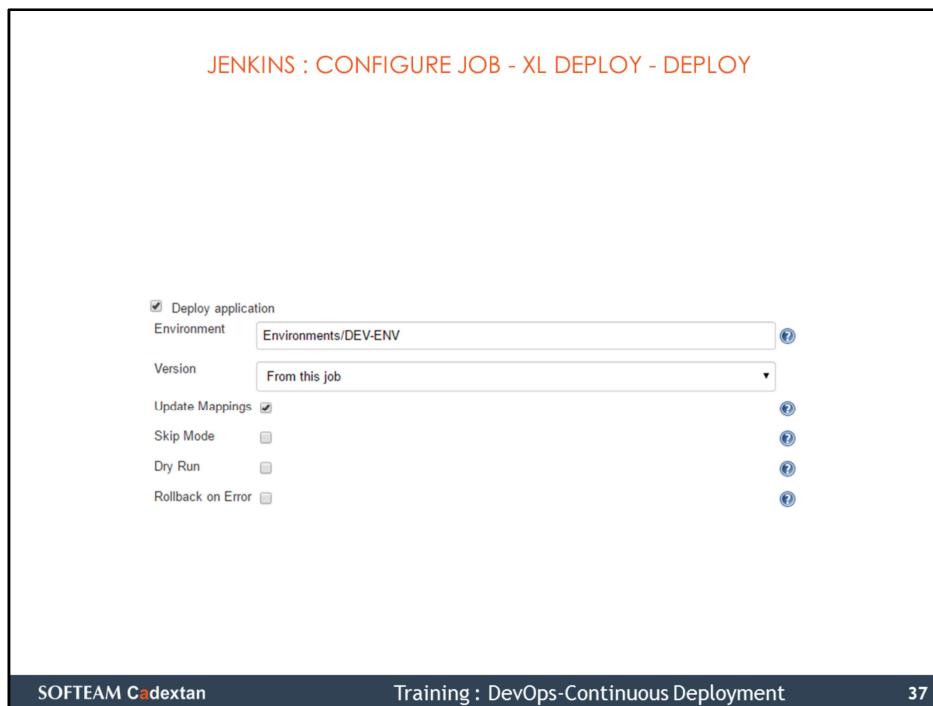
Drag and the drop the application, following the arrow

-> Execute



-> Close





Configure the Jenkins job

Check : Deploy application

Environment : Environments/DEV-ENV

-> Save

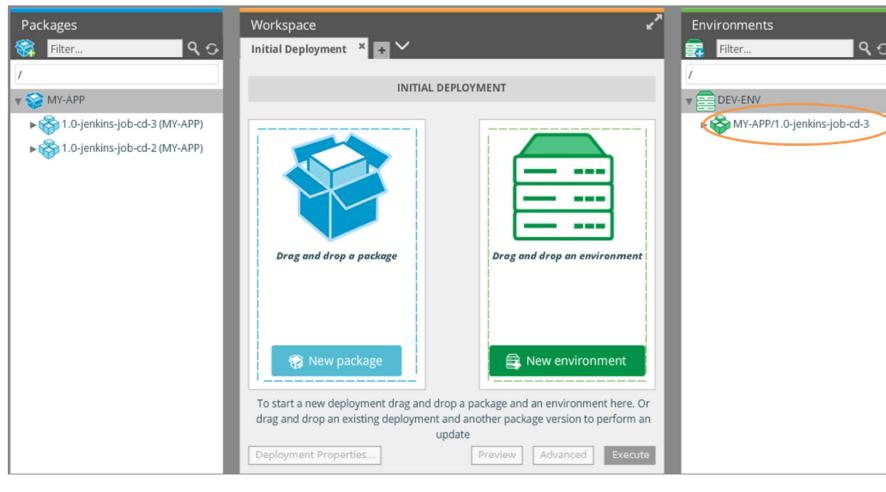
## JENKINS : BUILD LOG - DEPLOYMENT

```
Started by user anonymous
Building in workspace /var/jenkins_home/jobs/job-cd/workspace
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url http://gogs:3000/root/devops-codesource.git # timeout=10
Fetching upstream changes from http://gogs:3000/root/devops-codesource.git
> git fetch --tags --progress http://gogs:3000/root/devops-codesource.git
> git -c core.askpass=true fetch --tags --progress http://gogs:3000/root/devops-codesource.git
+refs/heads/*:refs/remotes/origin/*
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 538eb9ef78979f874cc5879b906fd0d4c08025 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 538eb9ef78979f874cc5879b906fd0d4c08025 # timeout=10
> git rev-list 538eb9ef78979f874cc5879b906fd0d4c08025 # timeout=10
Info: Package application Applications/MY-APP, version 1.0-jenkins-job-cd-3
Info: Searching for file(s) [sources/README.md] in '/var/jenkins_home/jobs/job-cd/workspace'
Info: Found file(s): [sources/README.md]
Info: Application Applications/MY-APP has been packaged /var/jenkins_home/jobs/job-cd/workspace/deployitpackage/MY-APP-1.0-jenkins-job-cd-3.dar
Info: Import the deployment package /var/jenkins_home/jobs/job-cd/workspace/deployitpackage/MY-APP-1.0-jenkins-job-cd-3.dar
Info: The package /var/jenkins_home/jobs/job-cd/workspace/deployitpackage/MY-APP-1.0-jenkins-job-cd-3.dar has been imported.
Info: Starting the deployment of Applications/MY-APP to Environments/DEV-NV
Info: Deploying application Applications/MY-APP/1.0-jenkins-job-cd-3 to Environments/DEV-ENV
Info: upgrade Deployment
Info: df62c1e4-51b0-4c7e-a697-5cd8d5a325a9 Description: Update deployment of Environments/DEV-ENV/MY-APP
Info: df62c1e4-51b0-4c7e-a697-5cd8d5a325a9 State: PENDING 0/1
Info: df62c1e4-51b0-4c7e-a697-5cd8d5a325a9 step #1 PENDING Update the repository with deployment.
Info: Start deployment task df62c1e4-51b0-4c7e-a697-5cd8d5a325a9
Info: df62c1e4-51b0-4c7e-a697-5cd8d5a325a9 Description: Update deployment of Environments/DEV-ENV/MY-APP
Info: df62c1e4-51b0-4c7e-a697-5cd8d5a325a9 State: EXECUTED 1/1
Info: df62c1e4-51b0-4c7e-a697-5cd8d5a325a9 Start: 2016/05/28 02:07:55
Info: df62c1e4-51b0-4c7e-a697-5cd8d5a325a9 Completion: 2016/05/28 02:07:55
Info: df62c1e4-51b0-4c7e-a697-5cd8d5a325a9 step #1 DONE Update the repository with deployment.
Starting repository update.
Finished repository update.
Finished: SUCCESS
```

-> Run a build

-> Check the log of the build

## XL DEPLOY – DEPLOYMENT ALREADY DONE – STARTED BY BUILD



Check in XL Deploy the deployed application :  
In the environment : from cd-2 to cd-3

## DOCKER : CHECK DEPLOYMENT DESTINATION

```
$ docker exec xldeploy ls -ae /dpl
total 16
drwxr-xr-x    3 root      root          4096 Sun May 29 01:29:10 2016 .
drwxr-xr-x   36 root      root          4096 Sun May 29 01:29:10 2016 ..
drwxr-xr-x    8 root      root          4096 Sun May 29 01:29:10 2016 .git
-rw-r--r--   1 root      root           44 Sun May 29 01:29:10 2016 README.md
```

```
$ docker exec xldeploy cat /dpl/README.md
# devops-codesource

Bienvenue {{KEY1}}
```

Run on the terminal :

```
docker exec xldeploy ls -ae /dpl
docker exec xldeploy cat /dpl/README.md
```

Check : The variable {{KEY1}} was not modified !

More information on :

<https://docs.xebialabs.com/xl-deploy/4.0.x/filePluginManual.html#file.Folder>



## JENKINS : TRIGGER ON THE COMMIT

### Ce qui déclenche le build

- Construire après le build sur d'autres projets
- Construire périodiquement
- Scrutation de l'outil de gestion de version

Planning



Voulez-vous vraiment dire "chaque minute" avec l'expression "\*\*\*\*\*"? Peut-être vous voulez dire "H \* \* \* \*"?  
Aurait été lancé à Sunday, May 29, 2016 1:41:35 AM UTC; prochaine exécution à Sunday, May 29, 2016 1:41:35 AM UTC.

Ignore post-commit hooks



## Configure the Jenkins job

> Trigger the build

Check : trigger by SCM

Planning : \* \* \* \* \*

-> Save



### GIT: COMMIT A NEW VERSION

```
$ docker exec -it git bash -x /app/clone-and-push.sh
+ echo

+ ls
Dockerfile Main.class Main.java README.md clone-and-push.sh
+ pwd
/app
+ echo git clone a repo
git clone a repo
+ git clone http://gogs:3000/root/devops-codesource.git
Cloning into 'devops-codesource'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (3/3), done.
Checking connectivity... done.
+ ls /app
Dockerfile Main.class Main.java README.md clone-and-push.sh devops-codesource
+ cd devops-codesource
+ git config --global user.email root@devops.local
+ git config --global user.name root
+ git config --global user.password password
+ echo 'This is the config de {{KEY1}}'
+ git add -all
+ git commit -m 'init commit'
[master c84b0a6] init commit
 1 file changed, 1 insertion(+)
 create mode 100644 test.config
+ git push origin master
Username for 'http://gogs:3000': root
Password for 'http://root@gogs:3000':
Counting objects: 3, done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 299 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To http://gogs:3000/root/devops-codesource.git
  e7d94be..c84b0a6 master -> master
```

Run on terminal :

docker exec -it git bash -x /app/clone-and-push.sh

When asked, enter name :

root

When asked, enter name :

password

GOGS : CHECK THE COMMIT

The screenshot shows a Gogs instance with the following interface elements:

- Header: Tableau de bord, Tickets, Pull Requests, Explorer.
- Breadcrumbs: root / devops-codesource
- Nav tabs: Code (selected), Tickets 0, Pull Requests 0, Commits 2.
- Description: Aucune description
- Branch: Branche: master
- File list: test.config 31B
- File content:

```
1 This is the config de {{KEY1}}
```

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Check on gogs website

JENKINS : NEW BUILD - STARTED BY SCM CHANGE

```

Started by an SCN change
Building in workspace /var/jenkins_home/jobs/job-cd/workspace
> git rev-parse --is-inside-work-tree ^ timeout=10
Fetching changes from remote Git repository
> git config core.remote origin
> git fetch https://gitlab.com:30800/root/devops-codesource.git ^ timeout=10
Fetching upstream changes from http://gitgs:30800/root/devops-codesource.git
> git --version ^ timeout=10
> git -c core.askpass=true fetch -t tags --progress http://gitgs:30800/root/devops-codesource.git
> git rev-parse refs/remotes/origin/master^{commit} ^ timeout=10
Checkouts: 1/1
> git rev-parse refs/remotes/origin/master^{commit} ^ timeout=10
> git config core.eol \r\n
> git checkout -f dcbadbed0a0e77307867511a641132ba5087 {refs/remotes/origin/master}
> git config core.autocrlf true
> git rev-list e7d9eb0a0f1a7670f1670967268dfaa00f62d ^ timeout=10
Info: Package Application/HY-APP has been packaged /var/jenkins_home/jobs/job-cd/workspace
Info: Found file(s): /var/jenkins_home/jobs/job-cd/workspace/sources
Info: Application Applications/HY-APP has been packaged /var/jenkins_home/jobs/job-cd/workspace/deploy/package/HY-APP-1.0-jenkins-job-cd-4.dar
Info: Deployment package /var/jenkins_home/jobs/job-cd/workspace/deploy/package/HY-APP-1.0-jenkins-job-cd-4.dar has been imported
The package /var/jenkins_home/jobs/job-cd/workspace/deploy/package/HY-APP-1.0-jenkins-job-cd-4.dar
Info: Starting the deployment of Applications/HY-APP to Environments/DEV-ENV
Info: Deploying application Applications/HY-APP/1.0-jenkins-job-cd-4 to Environments/DEV-ENV
Info: upgrade Deployment
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d Description Update deployment of Environments/DEV-ENV/HY-APP
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d Status PENDING Delete RepoFolder from Infrastructure/DEV-SERVER
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d step #1 PENDING Delete RepoFolder from Infrastructure/DEV-SERVER
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d step #2 PENDING Copy RepoFolder to Infrastructure/DEV-SERVER
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d step #3 PENDING Update the repository with deployment.
Info: Start deployment task 2340aa90-5af7-477c-8de5-1ca7aa4e113d
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d Description Update deployment of Environments/DEV-ENV/HY-APP
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d Status PENDING Delete RepoFolder from Infrastructure/DEV-SERVER
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d Start 2016/05/29 01:48:09
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d Completion 2016/05/29 01:48:09
Info: Uploading artifact [ /tmp/ct-20160529T014809376/sources ] to dpl on host Infrastructure/DEV-SERVER
Deleting (/tmp/READEMD on host Infrastructure/DEV-SERVER

Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d step #2 DONE Copy RepoFolder to Infrastructure/DEV-SERVER
Uploading artifact [ /tmp/ct-20160529T014809376/sources ] to dpl on host Infrastructure/DEV-SERVER
Copying /tmp/ct-20160529T014809376/sources to dpl on host Infrastructure/DEV-SERVER

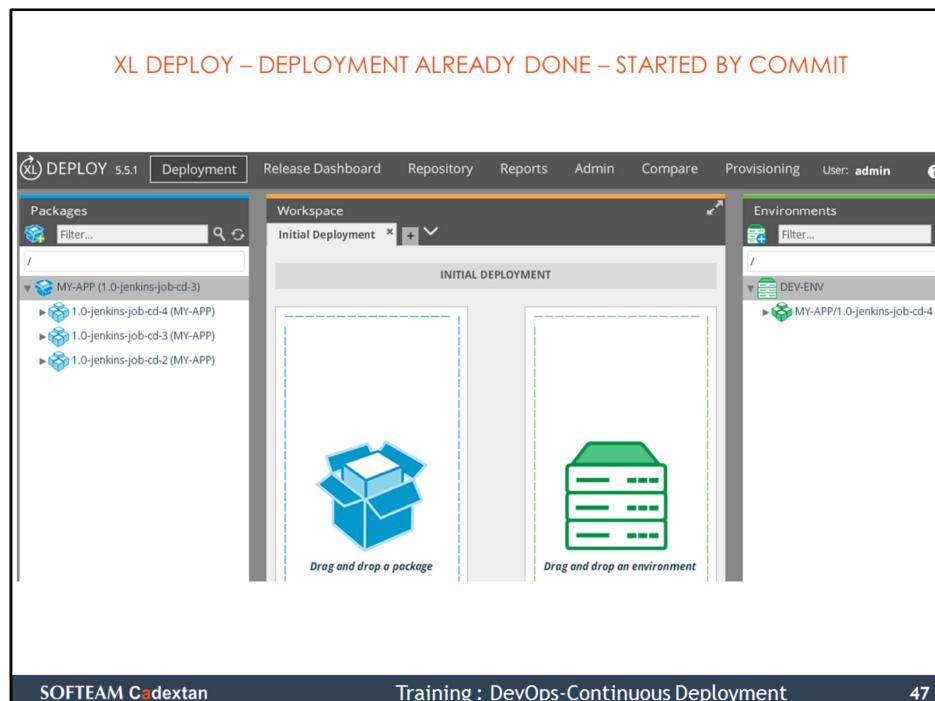
Info: 2340aa90-5af7-477c-8de5-1ca7aa4e113d step #3 DONE Update the repository with deployment.
Starting repository update.
Finished repository update.

Info: Ending the deployment of Applications/HY-APP to Environments/DEV-ENV

```

You will see a new build in jenkins.

In the first line in the log, you will find :  
Started by an SCM change



## DOCKER : CHECK DEPLOYMENT DESTINATION

```
$ docker exec xldeploy ls -ae /dpl
total 20
drwxr-xr-x    3 root      root          4096 Sun May 29 01:48:09 2016 .
drwxr-xr-x   36 root      root          4096 Sun May 29 01:29:10 2016 ..
drwxr-xr-x    8 root      root          4096 Sun May 29 01:48:09 2016 .git
-rw-r--r--    1 root      root           44 Sun May 29 01:48:09 2016 README.md
-rw-r--r--    1 root      root          29 Sun May 29 01:48:09 2016 test.config
```

```
$ docker exec git cat /app/devops-codesource/test.config
This is the config{{de {{KEY1}}}}
```

```
$ docker exec xldeploy cat /dpl/test.config
This is the config{{de VALUE1}}
```

Run on the terminal :

```
docker exec xldeploy ls -ae /dpl
```

```
docker exec xldeploy cat /dpl/test.config
```

Check : The variable {{KEY1}} was not modified !

More information on :

<https://docs.xebialabs.com/xl-deploy/4.0.x/filePluginManual.html#file.Folder>

YOU HAVE DONE THE :  
CONTINUOUS DEPLOYMENT

