XLRelease Variables Setter Plugin

Plugin Information
View XLRelease Variables Setter on the plugin site for more information.

Summary

XL Release Variables Setter is a plugin that permits to set variables values into a running release.

This plugin uses native XL Release REST Api (Xebialabs ©) to communicate with.

Installation

The plugin can be install with the differents methods described in the Jenkins documentation : Jenkins Plugins - How to install plugins
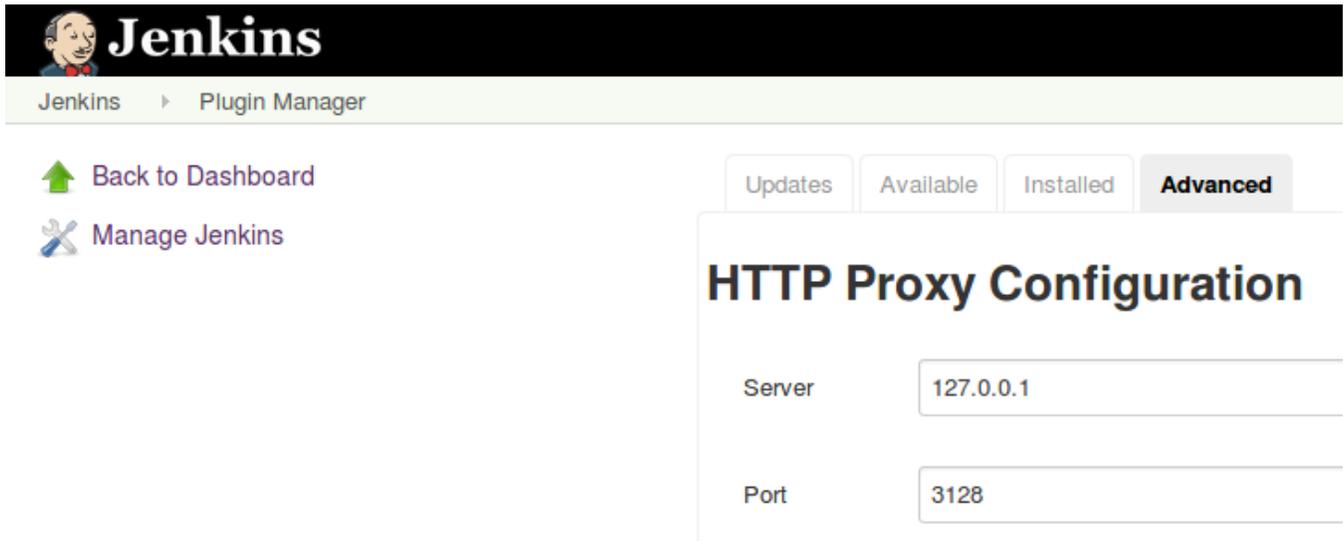
Usage

prerequisites

Jenkins Environment

If your Jenkins server is behind a HTTP Proxy, the plugin is checking its configuration first.

You can check or define it from this way : *Manage Jenkins* -> *Manage Plugins* -> *Advanced* tab

XL Release Environment

Assuming your Jenkins server is already defined in XL Release (*Shared Configuration* -> *Jenkins : Server*), in a template, define a variable with an empty value, and uncheck *required* :

Edit ${feedme}

Variable name	feedme
	Unique name for the variable.
Label	get the value from Jenkins job
	The label of the variable.
Type	Text
	Variable type.
Default value	
	The value of the variable.
Description	
	The description of the variable.
Required	☐
	If selected, the variable cannot be empty when the release or task that uses the variable starts.
Show on Create Release form	☐
	Show the variable on the Create Release screen or Create Release task.

Cancel   Save

Then, in a step configured as a Jenkins Job, add a Job Parameter for carrying the release Id :

Global Configuration

This section permits to define any parameters needed to access to a XL Release server

Manage Jenkins -> Configure System

- XL-Release Hostname : The host name of your XL-Release server
- XL-Release Port : The port number of your XL-Release server
- XL-Release User : The user used to connect to the Xl-Release server
- XL-Release Password : The password associated to the user used to connect to the Xl-Release server

Before saving parameters, use the *Test Connection* button to validate the configuration.

Connection OK   Test Connection

Jenkins Job Configuration

Add a String parameter, that have the same name as the variable name defined in XL Release, to catch the release id.

☑ This build is parameterized

String Parameter

Name	XLR_releaseid
Default Value	
Description	

[Plain text] *Preview*

Delete

Jenkins Step Configuration

If the global configuration is done and all is correct, then in a free-style project you can see the item **XL-Release Var Setter** in the list build step.

Add build step ▼

Execute Windows batch command

Execute shell

Inject environment variables

Invoke Ant

Invoke top-level Maven targets

XL-Release Var Setter
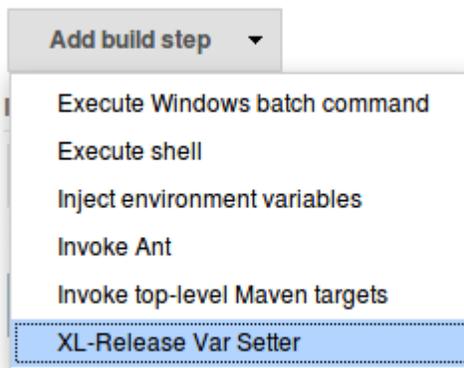
To configure the job step, you need to set this parameters :

XL-Release Var Setter

XL-Release Id	$XLR_releaseid
XL-Release Variable Name	feedme
Jenkins Variable Name	myVar
Debug mode	☑
	verbose logs

Delete

- XL-Release Id : The Jenkins variable, defined as a string parameter, valued by XL Release.
- XL-Release Variable Name : The XL Release variable name (without $ character) you want to be updated in XL Release.
- Jenkins Variable Name : The name of the Jenkins Variable, that the value herits from previous steps, to be send to XL Release.
- Debug mode : Check for verbose logs.

Simple example of a job (using the EnvInject Plugin) :

Build

Execute shell

Command
```
#!/bin/bash
myVar="CatchMeIfYouCan"
echo "This Script define \"${myVar}\" as value of myVar.."
echo "myVar=${myVar}" > build.properties
```

See the list of available environment variables

Delete

Inject environment variables

Properties File Path `$WORKSPACE/build.properties`

Properties Content

Delete

XL-Release Var Setter

XL-Release Id `$XLR_releaseid`

XL-Release Variable Name `feedme`

Jenkins Variable Name `myVar`

Debug mode ☑
verbose logs

Delete

Execution

When the job is launched, you can follow the interactions between Jenkins and XL Release in the console. If you have checked the debug mode, the outputs are more verbose.

If the job have a problem, the console shows the stacktrace.

Console Output

Démarré par l'utilisateur anonymous
[EnvInject] - Loading node environment variables.
Building in workspace /home/olivier/.jenkins/jobs/XLRelease_VarPlugin_Tests/workspace
[workspace] $ /bin/bash /opt/tomcat9/temp/hudson6832259052145813341.sh
This Script define "CatchMeIfYouCan" as value of myVar..
[EnvInject] - Injecting environment variables from a build step.
[EnvInject] - Injecting as environment variables the properties file path '/home/olivier/.jenkins/jobs/XLRelease_VarPlugin_Tests/workspace/build.properties'
[EnvInject] - Variables injected successfully.
[XLRVarSetter] - XL-Release host name = xlrelease._____.arkea.com
[XLRVarSetter] - XL-Release host port = 8080
[XLRVarSetter] - XL-Release user = admin
[XLRVarSetter] - XL-Release release Id = Applications/Folder167452110/Release605983906
[XLRVarSetter] - XL-Release variable name = feedme
[XLRVarSetter] - Value of myVar = CatchMeIfYouCan
[XLRVarSetter] - Jenkins Proxy Settings : true
[XLRVarSetter] - Jenkins Proxy name = 127.0.0.1
[XLRVarSetter] - Jenkins Proxy port = 3128
[XLRVarSetter] - Jenkins Proxy doesn't need Auth
[XLRVarSetter] - all release variables :[{
  "$token": "c08c71ce-ae45-4570-9b84-bd1e7aba7bee",
  "showOnReleaseStart": false,
  "$createdBy": "_____",
  "requiresValue": false,
  "$lastModifiedBy": "admin",
  "$createdAt": "2017-05-26T10:21:12.981+0200",
  "$lastModifiedAt": "2017-05-30T12:07:05.263+0200",
  "id": "Applications/Folder167452110/Release605983906/Variable18340814",
  "label": "get the value from Jenkins job",
  "type": "xlrelease.StringVariable",
  "value": "CatchMeIfYouCan",
  "key": "feedme"
}]
[XLRVarSetter] - XL-Release update url : http://xlrelease._____.arkea.com:8080/api/v1/releases/Applications/Folder167452110/Release605983906/Variable18340814
[XLRVarSetter] - Jenkins Proxy Settings : true
[XLRVarSetter] - Jenkins Proxy name = 127.0.0.1
[XLRVarSetter] - Jenkins Proxy port = 3128
[XLRVarSetter] - Jenkins Proxy doesn't need Auth
[XLRVarSetter] - XL-Release update data : {
  "$token": "c08c71ce-ae45-4570-9b84-bd1e7aba7bee",
  "showOnReleaseStart": false,
  "$createdBy": "_____",
  "requiresValue": false,
  "$lastModifiedBy": "admin",
  "$createdAt": "2017-05-26T10:21:12.981+0200",
  "$lastModifiedAt": "2017-05-30T12:07:05.263+0200",
  "id": "Applications/Folder167452110/Release605983906/Variable18340814",
  "label": "get the value from Jenkins job",
  "type": "xlrelease.StringVariable",
  "value": "CatchMeIfYouCan",
  "key": "feedme"
}
[XLRVarSetter] - XL-Release update response : {"id":"Applications\/Folder167452110\/Release605983906\/Variable18340814","type":"xlrelease.StringVariable","$token":"be1f8a6f-13ca-457a-bb5e-07bb04b6ddf1","$createdBy":"_____","$createdAt":"2017-05-26T10:21:12.981+0200","$lastModifiedBy":"admin","$lastModifiedAt":"2017-05-30T12:14:15.734+0200","key":"feedme","requiresValue":false,"showOnReleaseStart":false,"label":"get the value from Jenkins job","value":"CatchMeIfYouCan"}
Finished: SUCCESS

Development

TODO

License

TODO

Version History

0.1 to 0.4 (2017-06-13)

Minor changes since the first release (v0.1) to match Jenkins workflow requirements.