

Capitomcat Plugin

Plugin Information

View Capitomcat [on the plugin site](#) for more information.

Capitomcat is

Capitomcat plugin deploy the WAR file to multiple remote Tomcat servers using Capitomcat which is Capistrano 3 recipe and library for Tomcat deployment.

See also : [Capitomcat homepage](#)

And also, You don't need to install Ruby and Capistrano 3 on your Jenkins box. Capitomcat and Capistrano 3 are running on the Jenkins Ruby runtime.

Tested OS list

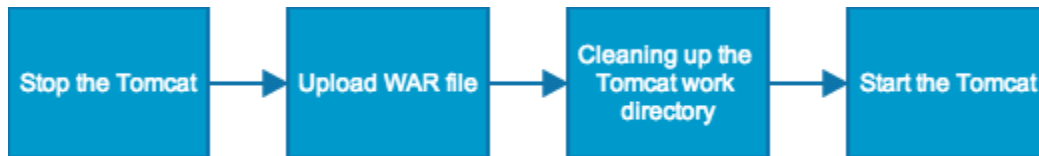
Please check the link in below. Capitomcat is tested on a lot of Linux environment.

<https://github.com/sunggun-yu/capitomcat-test-vagrant>

Capitomcat plugin supports 2 way deployment.

Basic

Basic deployment is usual way for Tomcat deployment. Capitomcat will upload the WAR file under your \$TOMCAT_HOME/webapps directry.



Basic deployment is the default for Capitomcat deployment.

Deploy WAR file to Tomcat via CapitoMcat

Host and Authentication config

Hosts
The remote host names ex) dev01,dev02

User account
User account to login

Global Credential Config

Use system default credential

Select SSH public key file

Use password

Deploy Config

WAR file
The WAR file that to be deployed to remote tomcat server. also, you can use Jenkins env-vars. ex)
\$WORKSPACE/target/app.war

Parallel Mode Yes No
Parallel or Sequential for deployment task

Use Context updating

Show verbose log message Yes No

Tomcat Server Information

Tomcat Home
Tomcat home directory

Tomcat user name
The owner user of Tomcat home directory.

Tomcat group name
The owner group of Tomcat home directory.

Tomcat command
Tomcat executable command. for example, /etc/init.d/tomcat or /your/tomcat/home/bin/catalina.sh can be used. please make sure not to include start or stop parameter.

Use tomcat user for executing tomcat command Yes No
If you check "Yes", tomcat command will be executed like, "sudo -u tomcat7 /var/tomcat7/bin/catalina.sh start|stop". in this case, your deploy user may need permission for tomcat user.

With updating Context file

Also, CapitoMcat supports deployment with updating context.xml file. if you want keep the old release WAR file or give some build number for WAR file, this will be very helpful.



Deploy Config

WAR file
The WAR file that to be deployed to remote tomcat server. also, you can use Jenkins env-vars. ex) \$WORKSPACE/target/app.war

Parallel Mode Yes No
Parallel or Sequential for deployment task

Use Context updating

Context name
Context name of application. ex) test-web

Context path
Context path name of application. ex) /test-web

Context docBase(WAR file path)
The path name to the web application archive file. also, you can use Jenkins env-vars. ex) /var/app/war/test-web-\$BUILD_NUMBER.war or /var/lib/tomcat7/webapps/test-web.war

Show verbose log message Yes No

Authentication & Authorisation

Basically, CapitoMcat supports password input. by the way, that password will be saved as plain text in your config file. I'm trying to use certification plugin. but, for security, please consider using public key authentication.

And also, CapitoMcat is following Authentication & Authorisation guide line of Capistrano.

please refer to [Authentication & Authorisation](#) page on the Capistrano home page for more detail about Authentication & Authorisation.

Host and Authentication config

Hosts
The remote host names ex) dev01,dev02

User account
User account to login

Global Credential Config

Use system default credential

Select SSH public key file

Use password

PW

NOPASSWD Setting

At least of following NOPASSWD setting is required to use CapitoMcat.

```

%your_deploy_user_name ALL=NOPASSWD:/etc/init.d/tomcat7 <Your tomcat command>
%your_deploy_user_name ALL=(<your_tomcat_user> : <your_tomcat_user_group>) NOPASSWD: ALL
  
```

Advanced Setting : Tomcat Virtual Host setting

CapitoMcat Jenkins plugin is following virtual hosting setting convention of Tomcat.

Virtual Hosting and Tomcat

Tomcat Server Information	
Tomcat Home	<input type="text" value="/var/lib/tomcat7"/>
	Tomcat home directory
Tomcat user name	<input type="text" value="tomcat7"/>
	The owner user of Tomcat home directory.
Tomcat group name	<input type="text" value="tomcat7"/>
	The owner group of Tomcat home directory.
Tomcat command	<input type="text" value="/etc/init.d/tomcat7"/>
	Tomcat executable command. for example, /etc/init.d/tomcat or /your/tomcat/home/bin/catalina.sh can be used. please make sure not to include start or stop parameter.
Use tomcat user for executing tomcat command	<input type="radio"/> Yes <input checked="" type="radio"/> No
	If you check "Yes", tomcat command will be executed like, "sudo -u tomcat7 /var/tomcat7/bin/catalina.sh start stop". in this case, your deploy user may need permission for tomcat user.
Engine name	<input type="text" value="Catalina"/>
	Engine name in server.xml. default value is "Catalina"
Tomcat Host Name	<input type="text" value="localhost"/>
	Default host name in server.xml. default value is "localhost"
AppBase	<input type="text" value="webapps"/>
	App base name in server.xml. default value is "webapps"
Tomcat port number	<input type="text" value="8080"/>
	Port number of Tomcat server. this value is using for checking Tomcat process is up.
	<input type="button" value="Delete"/>

Open Issues

[Open Issues](#)

Change logs

v0.1.0

- Updating CapitoMcat library version - 1.2.1
 - Updating Capistrano dependency version - 3.3.5
- Can choose the way how to execute the remote tomcat command to apply pty option correctly. you can select the option in advanced menu : 'Use background execution for Tomcat command'.
 - No - Using Normal script(Default) : It follows the global pty option.
 - Yes - Using Background script : It makes pty false in some OS even though global pty is true. for example, RHEL 5.6

for more details, please refer to <https://github.com/jenkinsci/capitomcat-plugin/releases/tag/capitomcat-0.1.0>

V0.0.11

<https://github.com/jenkinsci/capitomcat-plugin/releases/tag/capitomcat-0.0.11>

Bug fix : Upgrading issue on ssh port default value.

- ssh port value is null after upgrade to 0.0.10
- adding null check and invalid number value on ssh port.
- ssh port value will be ignored if it is invalid.

V0.0.10

<https://github.com/jenkinsci/capitomcat-plugin/releases/tag/capitomcat-0.0.10>

- Fix default value issue. default value was disappeared.
- Adding configurable SSH port option.** It supports custom ssh port host. such like Vagrant port forwarding.
- Adding Jenkins Builder.** The CapitoMcat deployment can be added in pre and post build step.** It supports multiple Tomcat hosts that has different server setting in each other.

V0.0.9

<https://github.com/jenkinsci/capitomcat-plugin/releases/tag/capitomcat-0.0.9>

- Bug fix : Potential fix to allow updating the advanced configuration fields.

v0.0.8

<https://github.com/jenkinsci/capitomcat-plugin/releases/tag/capitomcat-0.0.8>

- Support custom variable injection : please refer to release note in Github (with screenshot)

v0.0.7

<https://github.com/jenkinsci/capitomcat-plugin/releases/tag/capitomcat-0.0.7>

- BUG-FIX : Config reload - property tomcat port number take default.

v0.0.6

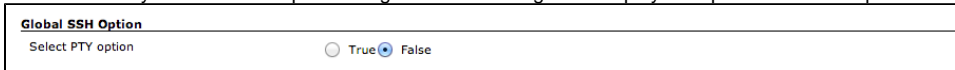
<https://github.com/jenkinsci/capitomcat-plugin/releases/tag/capitomcat-0.0.6>

- Unpacked WAR directory is not refreshed. eventually, Tomcat doesn't provide latest changes in new WAR file by this issue.
- Thanks to [@jwcarman](#)

v0.0.5

<https://github.com/sunggun-yu/jenkins-capitomcat-plugin/releases/tag/capitomcat-0.0.5>

- Add functionality to select PTY options for global SSH setting : it fix deployment problem of some particular OS environment. ex) CentOS 6.5



- Bug Fix for white space on host name section

v0.0.4.1

Apply the Capitomcat v1.1.3 changes : <https://github.com/sunggun-yu/capitomcat/blob/master/CHANGES.md>

- Bug Fix : There was space between "-" and "u" at Tomcat work directory cleaning task.

v0.0.3

Apply the Capitomcat v1.1.1 and v1.1.2 changes : <https://github.com/sunggun-yu/capitomcat/blob/master/CHANGES.md>

- Bug Fix : Some Tomcat startup script need to be executed in background #6 (<https://github.com/sunggun-yu/capitomcat/issues/6>)** Start/stop command has modified to be executed in the background.** Adding sleep time after command is executed.
- Bug Fix : SSHKIT test and within not properly working at CentOS5.x #7 (<https://github.com/sunggun-yu/capitomcat/issues/7>)** Removing within method** Adding checking method for remote directory and file existing.

v0.0.2

- Bug Fix : [v0.0.1]Config information not refreshed after built.

v0.0.1

- First Release of Capitomcat Jenkins plugin