

Automating Application Deployment From Jenkins or Hudson

With the combination of the [Jenkins](#) or [Hudson](#) continuous integration server and the REST Routes and Direct Actions that have been added to [Wonder's JavaMonitor](#) you can automatically deploy from Hudson directly to your app servers!

Included as an attachment to this page is a small Perl script that I demonstrated at WOWODC 2010. This script will take a build out of Hudson and deploy it to your wotaskd/JavaMonitor server. It will also add the app and create an instance if the app is not found in wotaskd.

You need to:

1. Install a few CPAN Modules on your Hudson host

Required CPAN Modules

```
perl -MCPAN -e 'install Math::Pari'  
perl -MCPAN -e 'install REST::Client'  
perl -MCPAN -e 'install JSON'  
perl -MCPAN -e 'install File::Rsync'  
perl -MCPAN -e 'install Net::SSH::Perl'
```

Installing Net::SSH::Perl on Ubuntu is a bit of a pig. I found these [instructions](#) helpful.

On CentOS, you will have to install the **openssl-devel** package. You will also need to install the **perl-CPAN** package (*yum install perl-CPAN*).

2. Install the [wodeploy.pl](#) script on your Jenkins host
3. Install the Hudson [Batch Tasks Plugin](#) using Jenkins' built-in Plugin Manager (**Manage Jenkins** -> **Manage Plugins**)
4. In your Jenkins job, create a new Batch Task with the following call:

Add This as a Batch Task to your Hudson Job

```
/path/to/wodeploy.pl -U http://your.womonitorserver.com:56789/cgi-bin/WebObjects/JavaMonitor.woa -n  
${DEPLOYED_APPLICATION_NAME} -P ${WORKSPACE}/Projects/${PROJECT_NAME}/dist/${DEPLOYED_APPLICATION_NAME}.  
woa -W ${WORKSPACE}/Projects/${PROJECT_NAME}/dist/Split/WebObjects/${DEPLOYED_APPLICATION_NAME}.woa -p  
yourMonitorPassword
```