

# Stack Hammer Plugin

## Plugin Information

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

## Stack Hammer Plugin

This plugin integrates Jenkins with [Cloudsmith Stack Hammer](#) to validate and/or deploy Puppet configurations (stacks) stored in a repository at GitHub.

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## Validation

Add the Stack Hammer Validation build step to a Jenkins project and specify the GitHub repository name and [Stack Hammer API key](#) (available from the Stack Hammer UI). You can optionally specify a branch.

When the job runs, Stack Hammer will fetch the Puppet configuration from GitHub and check it for errors and warnings using [Geppetto](#) and [puppet-lint](#). The resulting report will contain a list of errors and/or warnings and a full dependency graph of the stack.

## Testing

Add the Stack Hammer Testing build step to a Jenkins project and specify the GitHub repository name and Stack Hammer API key (available from the Stack Hammer UI). You can optionally specify which tests to run and whether to undeploy the test harness when done.

When the job runs, Stack Hammer will fetch the Puppet configuration from GitHub and run the [rspec-puppet](#) tests in it on a test harness machine at Amazon AWS. The resulting report will contain output for each test that was run.

## Deployment

Add the Stack Hammer Deployment build step to a Jenkins project and specify the GitHub repository name and Stack Hammer API key (available from the Stack Hammer UI). You can optionally specify a branch and whether to deploy in dry-run mode.

When the job runs, Stack Hammer will fetch the Puppet configuration from GitHub and deploy it to Amazon AWS. The resulting report will contain a list of logs and catalog graph for each host that was deployed.

## Change Log

### Version 1.0.6 (Sep 24, 2012)

Diagnostic type added to validation diagnostic display

### Version 1.0.5 (Sep 06, 2012)

A Test Runner build step was added

### Version 1.0.4 (Jun 15, 2012)

Fixed bug that caused NPE when no global configuration had been stored

### Version 1.0.3 (Jun 15, 2012)

*Release failed half way though but cannot be removed. Don't use this version.*

**Version 1.0.2 (Jun 9, 2012)**

This is the initial release