

Docker Pipeline Plugin

Plugin Information

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

Allows to build and use Docker containers from [pipelines](#).

Features

See the [user guide](#) for all details.

Open JIRA issues

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	JENKI NS-31225	docker.build fails with if HOME is not set.	Jesse Glick	James Nord		REOPENED	Unresolved	Oct 28, 2015	Aug 24, 2016	
	JENKI NS-42890	Could not find FROM instruction in Dockerfile when it starts with a BOM	Unassigned	Mateusz Kubaszek		OPEN	Unresolved	Mar 17, 2017	Jun 16, 2017	
	JENKI NS-49365	Resuming of pipelines vs. docker.image(...).inside (...)?	Unassigned	Reinhold Füreder		REOPENED	Unresolved	Feb 05, 2018	Jul 24, 2018	
	JENKI NS-50687	When using docker. withRegistry withEnv repeats indefinitely.	Unassigned	Aaron Haaf		OPEN	Unresolved	Apr 09, 2018	May 18, 2018	
	JENKI NS-52264	Error while running pipeline job in docker	Unassigned	Suvir Pavin		OPEN	Unresolved	Jun 29, 2018	Aug 30, 2018	
	JENKI NS-52991	withDockerRegistry([...]) fails with "Email: EOF" on older docker versions	Unassigned	Matt Evans		OPEN	Unresolved	Aug 10, 2018	Jan 14, 2019	
	JENKI NS-54389	Containers with ENTRYPOINT is not started correctly	Unassigned	Artem V. Navrotskiy		OPEN	Unresolved	Nov 01, 2018	May 18, 2019	
	JENKI NS-54681	dir('path') is broken when used within "docker. image().inside()"	Unassigned	Krassimir Valev		OPEN	Unresolved	Nov 16, 2018	Nov 17, 2018	
	JENKI NS-56729	groovy.lang. MissingPropertyException: No such property: frontend for class: groovy.lang.Binding	Unassigned	Noor Ameen		OPEN	Unresolved	Mar 24, 2019	Mar 24, 2019	
	JENKI NS-44789	docker 17.05 multistage Dockerfile breaks dockerFingerprintFrom	Unassigned	Andrew Hammond		REOPENED	Unresolved	Jun 09, 2017	Jun 20, 2019	
	JENKI NS-45236	docker.withServer cannot connect using TLS	magnayn	Devis Calio		OPEN	Unresolved	Jun 30, 2017	May 18, 2018	
	JENKI NS-50857	Docker agent on windows fails with Cannot run program "id"	Unassigned	Jonathan Kuleff		OPEN	Unresolved	Apr 18, 2018	Aug 09, 2018	
	JENKI NS-51550	docker.image.inside run after why do delete the container , which make me can not to deploy to a docker container	Unassigned	fname surname6		IN PROGRESS	Unresolved	May 25, 2018	Aug 16, 2018	

	JENKI NS-57168	withDockerRegistry problems in Declarative Pipeline	Unassigned	Junior Junior	↑	OPEN	Unresolved	Apr 24, 2019	Apr 24, 2019
	JENKI NS-57210	Issue with docker.withRegistry	Unassigned	Michael Knox	↑	OPEN	Unresolved	Apr 29, 2019	Jun 07, 2019
	JENKI NS-57366	Script injection attack when using docker.image	Unassigned	Changcheng Liu	↑	OPEN	Unresolved	May 08, 2019	May 08, 2019
	JENKI NS-28606	Track down WithContainerStepTest.stop() hang	Tom FENNELLY	Jesse Glick	⬆	OPEN	Unresolved	May 27, 2015	Aug 03, 2015
	JENKI NS-32859	tests hung in docker container due to PID1 not reaping zombies	Unassigned	Edwin Török	⬆	OPEN	Unresolved	Feb 09, 2016	Oct 04, 2017
	JENKI NS-36913	ToolInstaller framework doesn't work with docker-pipeline	Jesse Glick	Cyrille Le Clerc	⬆	REOPENED	Unresolved	Jul 25, 2016	Dec 05, 2017
	JENKI NS-37069	Permission denied on durable task directory when using docker.image inside step on fresh install of jenkins	Unassigned	Vitor Dantas	⬆	OPEN	Unresolved	Jul 29, 2016	Mar 01, 2017

Showing 20 out of 131 issues

Version history

Version 1.18 (April 2, 2019)

- JENKINS-48437** - Docker Pipeline Plugin withRegistry and Authorize Plugin fails to get credentialsId **RESOLVED** Allow users with Credentials/UseItem permission (implied by Job/Configure permission) on a Pipeline Job to use credentials which that job has access to in the withDockerRegistry and withDockerServer steps even when Authorize Project Plugin is installed and configured to run builds as a user other than the default Jenkins superuser.
- JENKINS-46105** - Docker 17.05 ARG in FROM breaks docker inspect **RESOLVED** Extend fix for ARGs in FROM added in version 1.15 to support ARGs with default values.
- JENKINS-56674** - In case of execute withDockerContainer inside withDockerContainer env variables is not masked **RESOLVED** Mask environment variables used by steps that use the Launcher API inside of a withDockerContainer step.
- (PR 153) Update help related to image.pull() to explain what problems might happen if the method is not called.

Version 1.17 (May 18, 2018)

- JENKINS-51395** - withDockerRegistry([...]) syntax no longer accepted **RESOLVED** The withDockerRegistry step now preferentially takes a "flat" argument list, but continues to support older syntaxes, including the one broken in 1.16.
- JENKINS-51397** - docker login being called without server-related environment variables **RESOLVED** May solve login issues in certain environments, especially with a custom Docker server endpoint. The non-CLI-based login behavior in 1.15.1 may be restored using the Jenkins startup flag `-Dorg.jenkinsci.plugins.docker.commons.credentials.DockerRegistryToken.USE_CUSTOM_LOGIN=true` but this suffers from a number of known limitations including lack of guaranteed support for parallel builds on one computer, failure to clean up credentials at the end of a build, incompatibility with the JSON format from some versions of the Docker client, etc.

Version 1.16 (May 11, 2018)

- JENKINS-38018** - withDockerRegistry fails to authenticate with DockerHub **RESOLVED** and allied issues: using CLI-based registry login by default

WARNING: introduced some known regressions **JENKINS-51395** - withDockerRegistry([...]) syntax no longer accepted **RESOLVED** &

JENKINS-51397 - docker login being called without server-related environment variables **RESOLVED**

Version 1.15.1 (Feb 13, 2018)

- [JENKINS-49278](#) - cat command in docker agents not detected correctly REOPENED command in docker agents not detected correctly
- [JENKINS-42152](#) - Docker Pipeline causes build to fails because of use of --force=yes for tagging OPEN do not use (deprecated) --force when tagging images
- better error message for [JENKINS-41316](#)

Version 1.15 (Jan 30, 2018)

- [JENKINS-41316](#) Restore entrypoint support (JENKINS-37987), check the command is well executed by entrypoint
- [JENKINS-48502](#): Added ECS and Kubernetes support in cgroup detection
- [JENKINS-49063](#): fix cgroup detection on Docker CE
- [JENKINS-46105](#): fix support for ARG in FROM command
- [JENKINS-33510](#): add support for exec workdir option
- [JENKINS-47791](#): Making WithContainerStepTest.death not assume the existence of a pid file.

Version 1.14 (Nov 1, 2017)

- [JENKINS-40484](#) - Stop passing PATH from agent to container, fixing problems such as withMaven not working within withContainerStep.

Version 1.13 (Sep 11, 2017)

- [JENKINS-44609](#) No longer fails on multi-stage Dockerfile with FROM .. AS syntax
- Added OS detection in JUnits so Windows based runs pass
- Added JenkinsFile for automated CI on the plugin

Version 1.12 (Jun 16, 2017)

- Label the Docker workspace volume mount shared for SELinux.
- Stray whitespace in inspect format could cause errors.
- Empty environment variables in Jenkins settings could cause errors.
- [JENKINS-42322](#) Increased timeout for client operations from 10s to 3m by default (configurable).

Version 1.11 (May 08, 2017)

- Print diagnostics explaining why --volumes-from is or is not being used.
- [JENKINS-43222](#) Fixes to environment used for running docker CLI commands when using inside.
- [JENKINS-43328](#) Detect container ID when running using --parent-group.

Version 1.10 (Feb 13, 2017)

- Fixed detection of agents running inside containers under further special conditions.
- Detect custom Dockerfile when using --file.
- [JENKINS-34276](#) Allow Image.inside to run with either a local or registry-prefixed name.
- [JENKINS-37719](#) Recover when dockerd hangs.

Version 1.9.1 (Nov 14, 2016)

- Name changed to remove word "CloudBees".

Version 1.9 (Oct 05, 2016)

- Failure to pass --volumes-from from Image.inside when an agent was run in a container using --volume but no VOLUME declaration.
- [JENKINS-37769](#) As-yet-undiagnosed issue with stop meant that cleanup from Image.inside was delayed for ten seconds.
- [JENKINS-38018](#) When withRegistry succeeds, print a message saying where credentials were stored. When credentials are not found, abort rather than silently continuing.
- [JENKINS-37951](#) withTool was not honored by Image.inside.

Version 1.8 (Sep 07, 2016)

- [JENKINS-37987](#) Allow Image.inside to work with images like maven which specify an ENTRYPOINT.
- [JENKINS-36332](#) Allow a command argument to be passed to Image.withRun.
- Improved detection of containerized Jenkins instances from 1.5.
- Avoid blocking log output when running docker commands to compute fingerprints.

Version 1.7 (Jul 26, 2016)

Requires a newer Jenkins baseline and Pipeline dependencies.

- [JENKINS-36214](#) Use a workspace-specific temporary directory to write .container files.
- [JENKINS-34050](#) Docker.build may now take arbitrary arguments, not merely an alternate base directory.
- [JENKINS-31225](#) More portable way of determining when commands need to be wrapped in an implicit node block.

Version 1.6 (Jul 01, 2016)

- Fix error in 1.5 when not run on Linux.

Version 1.5 (Jun 30, 2016)

- Work correctly out of the box when Jenkins itself is running inside a Docker container. Demo also updated to exercise this mode.
- [JENKINS-33510](#) Not solved, but at least print a warning to the build log that `dir` inside `Image.inside` does not work.
- [JENKINS-33063](#) Allow a command to be passed to `Image.run`.
- Added a `Container.port` function.

Version 1.4 (Mar 03, 2016)

- [JENKINS-27152](#) Mount temporary directories now used by several other plugins in addition to the workspace when using `Docker.Image.inside`.
- Handle recent deprecation of `docker tag --force`.

Version 1.3 (Feb 05, 2016)

- No functional change, just following rename from Workflow to Pipeline.

Version 1.2 (Aug 04 2015)

- [JENKINS-28611](#) Honor `DOCKER_HOST` and similar environment variables from the slave machine when running `docker exec` for `docker.inside`.

Version 1.1 (Jul 28 2015)

- [JENKINS-28612](#) Date parsing issue with some Docker clients.

Version 1.0 (Jun 03 2015)

-  First release