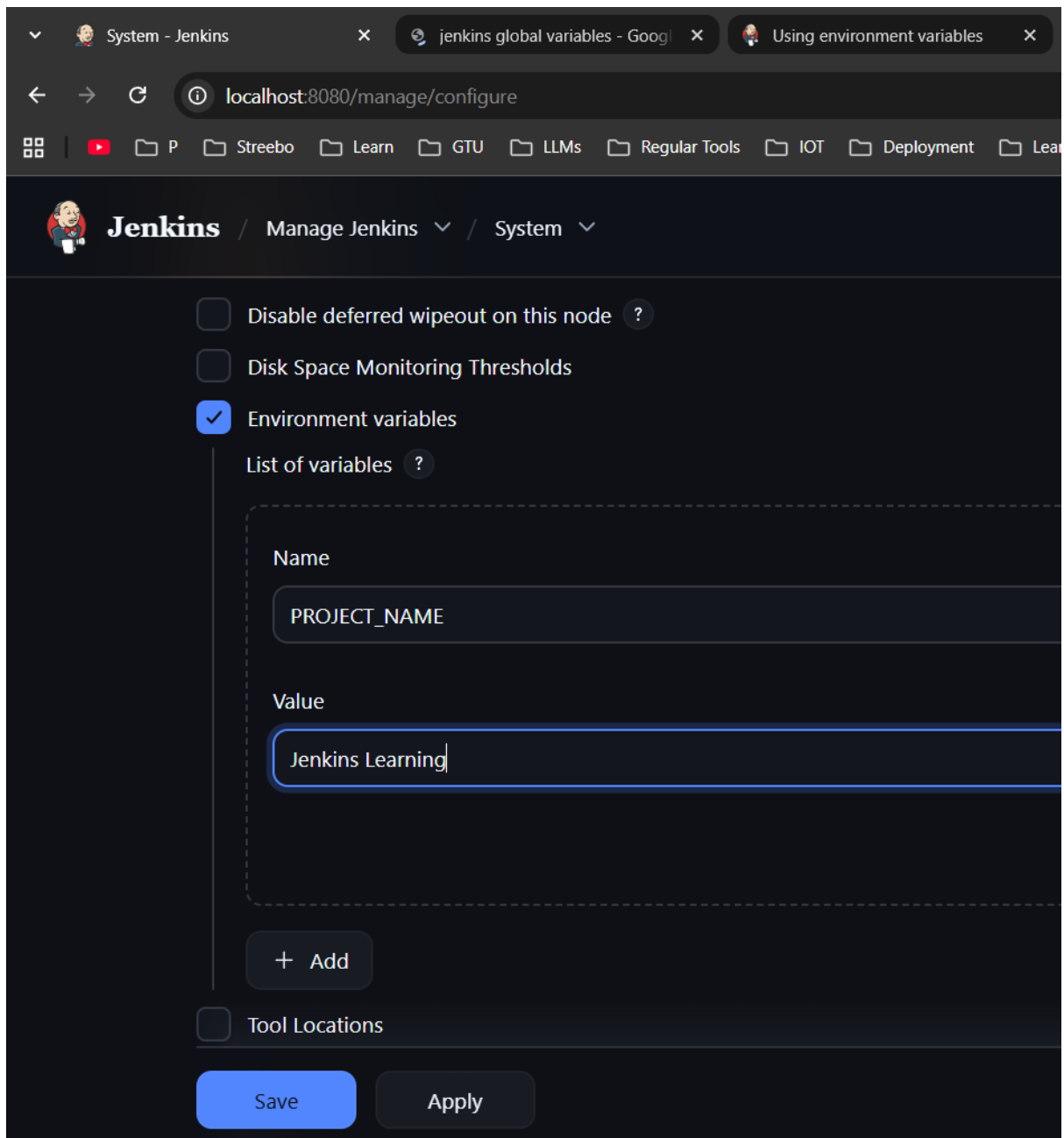


Environment Variable



The screenshot shows the Jenkins web interface at `localhost:8080/manage/configure`. The breadcrumb navigation is `Jenkins / Manage Jenkins / System`. Under the `System` section, the following options are visible:

- ☐ Disable deferred wipeout on this node ?
- ☐ Disk Space Monitoring Thresholds
- ☒ Environment variables

Below the `Environment variables` option is a section titled `List of variables ?` containing a dashed box for adding new variables. Inside this box, there are two input fields:

- Name:** `PROJECT_NAME`
- Value:** `Jenkins Learning`

Below the dashed box is a `+ Add` button. At the bottom of the configuration page, there is a `Tool Locations` option with an unchecked checkbox, and two buttons: `Save` and `Apply`.

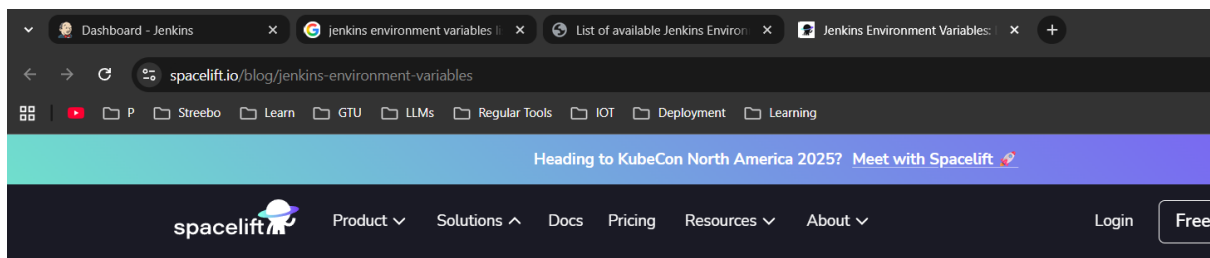


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Local environment variables in Jenkins

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How to view the Jenkins environment variables list

How to override environment variables in Jenkins

Alternative to Jenkins - Spacelift

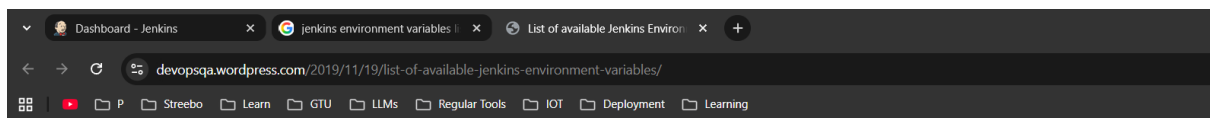
Key points

streamline workflows. They eliminate the need for hardcoding specific script values and make pipelines more adaptable.

Here are the most useful built-in environment variables in Jenkins:

1. **BUILD_NUMBER**: This variable represents the current build number and helps track the build's sequence in the job lifecycle.
2. **JOB_NAME**: It provides the job's name and helps us identify and manage specific tasks.
3. **BUILD_URL**: This variable directly links to the current build, allowing us to quickly access the logs and results.
4. **NODE_NAME**: It identifies the job's agent and clarifies the distributed build environments.
5. **WORKSPACE**: This points to the directory where the job's files and outputs are stored during the build process.

Environment variables vs parameters in Jenkins



GitHub commit	kind of change request, this will be set to the email address of the author, if supported; else unset
Dockerize and integrate SonarQube with Jenkins	
Jenkins environment variable setup	CHANGE_TARGET For a multibranch project corresponding to some kind of change request, this will be set to the target or base branch to which the change could be merged, if supported; else unset
Trigger multi Jenkins jobs in parallel - Pipeline project	BUILD_NUMBER The current build number, such as "153"
Jenkins Job DSL for beginners	BUILD_ID The current build ID, identical to BUILD_NUMBER for builds created in 1.597+, but a YYYY-MM-DD_hh-mm-ss timestamp for older
Export Jenkins artifacts report from one machine to another	BUILD_DISPLAY_NAME The display name of the current build, which is something like "#153" by default
DSL Jenkins Slack Notifiers	JOB_NAME Name of the project of this build, such as "foo/bar"
Jenkins Slack Notifiers	JOB_BASE_NAME Short Name of the project of this build split off folder paths, such as "foo" for "bar/foo"
Jenkins Pipeline project	BUILD_TAG String of "jenkins- $\$(JOB_NAME)$ - $\$(BUILD_NUMBER)$ " All forward slashes ($\$(JOB_NAME)$ are replaced with dashes ("") Convenient to put into a resource file, a j for easier identification
Run Parallel Jenkins phase jobs	
Configure Selenium Jenkins job with Ruby Env setup from Jenkins User	EXECUTOR_NUMBER The executor number that identifies each
kubernetes	
Helm CLI cheatsheet	
Kubernetes CLI cheatsheet	
Chartmuseum - The Helm chart repository management	
Docker	


← → ↺ 🏠 wiki.jenkins.io/display/JENKINS/Building+a+software+project#Buildingasoftwareproject-belowJenkinsSetEnvironmentVariables

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Jenkins Set Environment Variables

When a Jenkins job executes, it sets some environment variables that you may use in your shell script, batch command, Ant script or Maven POM ^{#1}. The following are the environment variables.

Environment Variable	Description
BUILD_NUMBER	The current build number, such as "153"
BUILD_ID	The current build id, such as "2005-08-22_23-59-59" (YYYY-MM-DD_hh-mm-ss, defunct since version 1.597)
BUILD_URL	The URL where the results of this build can be found (e.g. http://buildserver/jenkins/job/MyJobName/666/)
NODE_NAME	The name of the node the current build is running on. Equals 'master' for master node.
JOB_NAME	Name of the project of this build. This is the name you gave your job when you first set it up. It's the third column of the Jenkins Dashboard
BUILD_TAG	String of jenkins-\${JOB_NAME}-\${BUILD_NUMBER}. Convenient to put into a resource file, a jar file, etc for easier identification.
JENKINS_URL	Set to the URL of the Jenkins master that's running the build. This value is used by Jenkins CLI for example
EXECUTOR_NUMBER	The unique number that identifies the current executor (among executors of the same machine) that's carrying out this build. This is the status", except that the number starts from 0, not 1.
JAVA_HOME	If your job is configured to use a specific JDK, this variable is set to the JAVA_HOME of the specified JDK. When this variable is set, PATH=\$JAVA_HOME/bin.
WORKSPACE	The absolute path of the workspace.
SVN_REVISION	For Subversion-based projects, this variable contains the revision number of the module. If you have more than one module specified, the
CVS_BRANCH	For CVS-based projects, this variable contains the branch of the module. If CVS is configured to check out the trunk, this environment v
GIT_COMMIT	For Git-based projects, this variable contains the Git hash of the commit checked out for the build (like ce9a3c1404e8c91be60408867c
GIT_URL	For Git-based projects, this variable contains the Git url (like git@github.com:user/repo.git or https://github.com/user/repo.git)
GIT_BRANCH	For Git-based projects, this variable contains the Git branch that was checked out for the build (normally origin/master)

 Jenkins

first-job ▾ / Configuration

Configure

General

Source Code Management

Triggers

Environment

Build Steps

Post-build Actions

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Execute Windows batch command ?

Command


See the list of available environment variables

echo Hello World
echo Hello %FirstName%
echo %PROJECT_NAME%

Advanced ▾

+ Add build step

Post-build Actions

 **Jenkins** / Manage Jenkins ▾ / System ▾

Global properties

☐

Disable deferred wipeout on this node ?

☐

Disk Space Monitoring Thresholds

☒

Environment variables

List of variables ?

Name


PROJECT_NAME

Value

Jenkins Learning


+ Add


localhost:8080/job/first-job/14/console


 **Jenkins** / first-job ▾ / #14 ▾ / Console Output


Status


<> Changes


 Console Output

 Edit Build Information

 Delete build '#14'

 Parameters

 Timings

 Previous Build

✓ Console Output

Download Copy View as plain text

Started by user unknown or anonymous

Running as SYSTEM

Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\first-job

[first-job] \$ cmd /c call C:\WINDOWS\TEMP\jenkins18027400753890197481.bat

C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo Hello World

Hello World

C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo Hello RiyazKhan Pathan

Hello RiyazKhan Pathan

C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo Jenkins Learning

Jenkins Learning

C:\ProgramData\Jenkins\jenkins\workspace\first-job>exit 0

Finished: SUCCESS

first-job #14 Console - Jenkins first-job Config - Jenkins +

localhost:8080/job/first-job/configure

Jenkins / first-job / Configuration

Configure

- General
- Source Code Management
- Triggers
- Environment
- Build Steps**
- Post-build Actions

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Execute Windows batch command ?

Command

See the list of available environment variables

```
echo Hello World
echo Hello %FirstName%
echo %PROJECT_NAME%
echo %WORKSPACE%
echo %JOB_URL%
echo %JENKINS_HOME%
```

Advanced ▾

+ Add build step

Post-build Actions

Save Apply

first-job #14 Console - Jenkins first-job #15 Console - Jenkins +

localhost:8080/job/first-job/15/console

Jenkins / first-job / #15 / Console Output

- Status
- </> Changes
- Console Output**
- Edit Build Information
- Delete build '#15'
- Parameters
- Timings
- ← Previous Build

Console Output

Started by user unknown or anonymous
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\first-job
[first-job] \$ cmd /c call C:\WINDOWS\TEMP\jenkins3559136669337148052.bat

```
C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo Hello World
Hello World

C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo Hello Riyazkhan Pathan
Hello Riyazkhan Pathan

C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo Jenkins Learning
Jenkins Learning

C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo C:\ProgramData\Jenkins\jenkins\workspace\first-job
C:\ProgramData\Jenkins\jenkins\workspace\first-job

C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo http://localhost:8080/job/first-job/
http://localhost:8080/job/first-job/

C:\ProgramData\Jenkins\jenkins\workspace\first-job>echo C:\ProgramData\Jenkins\jenkins
C:\ProgramData\Jenkins\jenkins

C:\ProgramData\Jenkins\jenkins\workspace\first-job>exit 0
```

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