

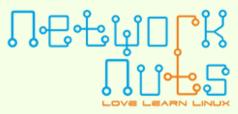
It is essential to configure the parameters of our project so that it is optimized to the task to be performed. A build parameter is a predefined value or a value configured before running a build.

PARAMETERIZED



This is important as it enables you to customize your builds to make them fit different scenarios and also secure your secrets compared to storing them on version control. Build jobs are used to process related tasks, such as deploying applications to a server or running integration tests.

We can make use of build parameters to customize our build to make it run differently depending on what we pass in as the parameter prior to running the build.

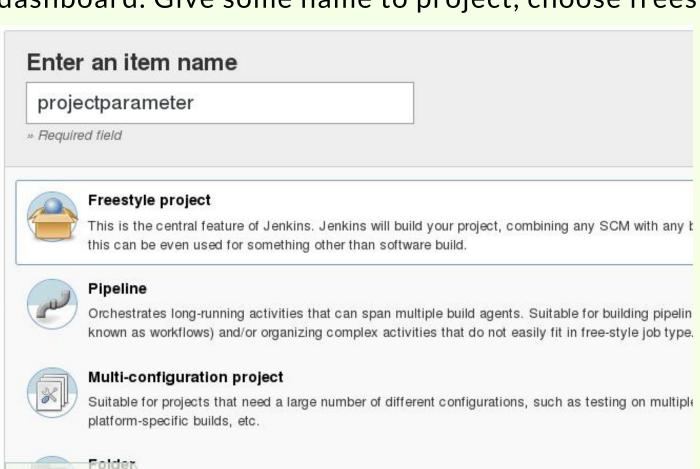


Running Parameterized Project

OK

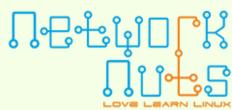
mulifierent folders.

Go to Jenkins dashboard, select New Item on the top left of the dashboard. Give some name to project, choose freestyle and OK.



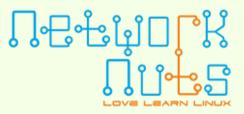
eates a container that stores nested items in it. Useful for grouping things together. Unlike view, v

er, a folder creates a separate namespace, so you can have multiple things of the same name as



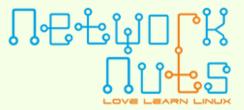
Give some description, if you wish and "select" - "This project is parameterized"

General	Source Code Management	Build Triggers	Build Environment	Build	Post-build Actions
Descripti	on This is a <u>para-meterized</u> p	roject			
	[Plain text] <u>Preview</u>				
Discard					
GitHub p	127V				
This build	d requires lockable resources				
This proj	ect is parameterized				



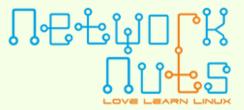
Click on "Add Parameter" and you can see types of values allowed. Select "String Parameter" for this lab.

	Add Parameter ▼	
☐ Throttle builds☐ Disable this pr☐ Execute conci	Boolean Parameter	•
	Choice Parameter	•
	Credentials Parameter	•
	File Parameter	•
	List Subversion tags (and more)	Advanced
	Multi-line String Parameter	Plat all a same
Source Co	Password Parameter	
	Run Parameter	
None	String Parameter	

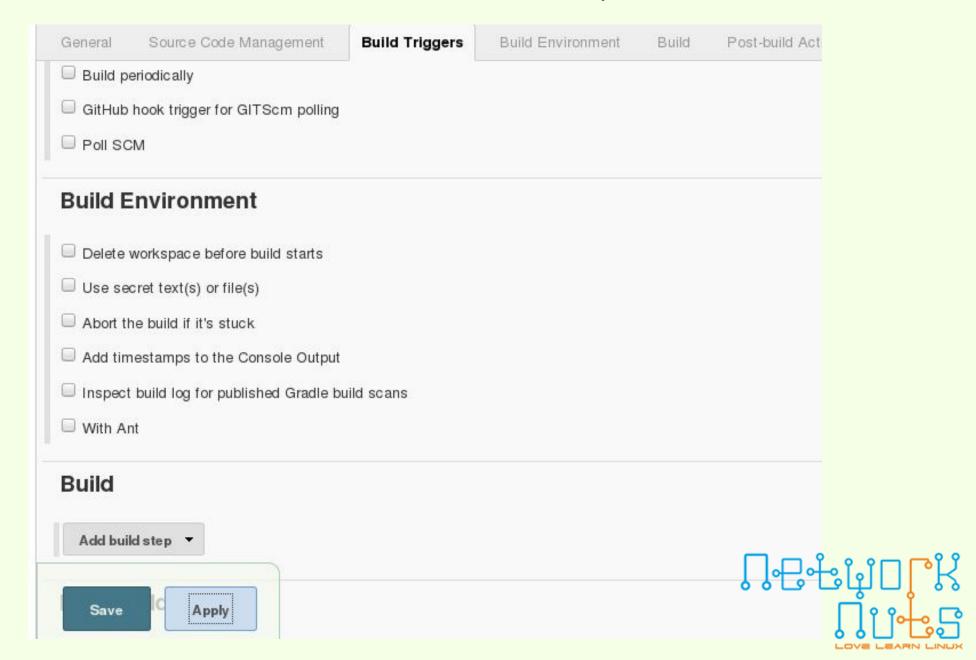


Supply any name, valone, in our case. Any default value and some description.

String Parame	ter	X
Name	valone	
Default Value	Welcome to Network Nuts - Jenkins Training	•
Description	Custom parameter for the lab	
	[Plain text] Preview Trim the string	

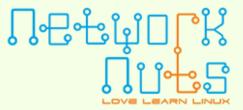


In the "Build" section select "Add build step"



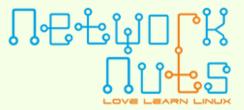
You can see all the build step types permitted. We will choose "Execute shell".

dd build step ▼	
Execute Windows batch command	
Execute shell	
Invoke Ant	
Invoke Gradle script	
Invoke top-level Maven targets	
Run with timeout	
Set build status to "pending" on GitHub commit	

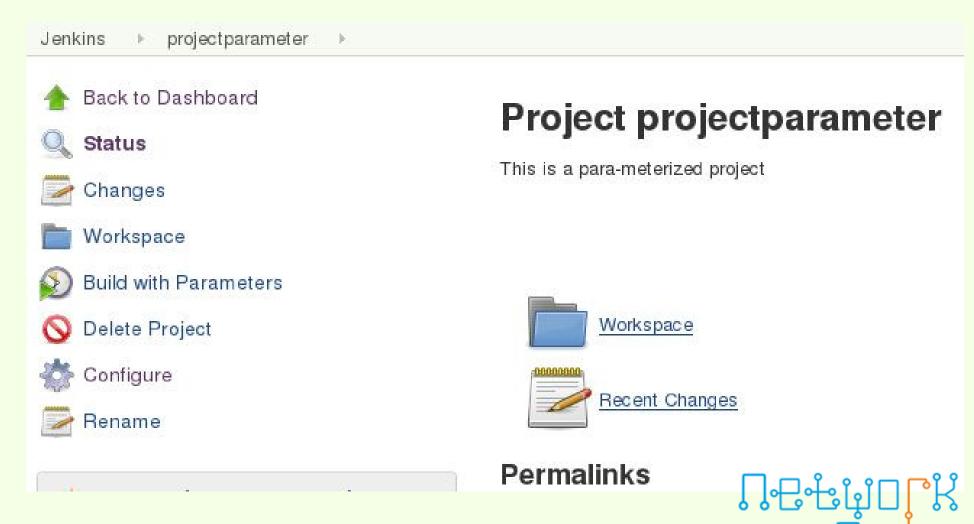


As we just want to display the value supplied we will simply use echo statement.

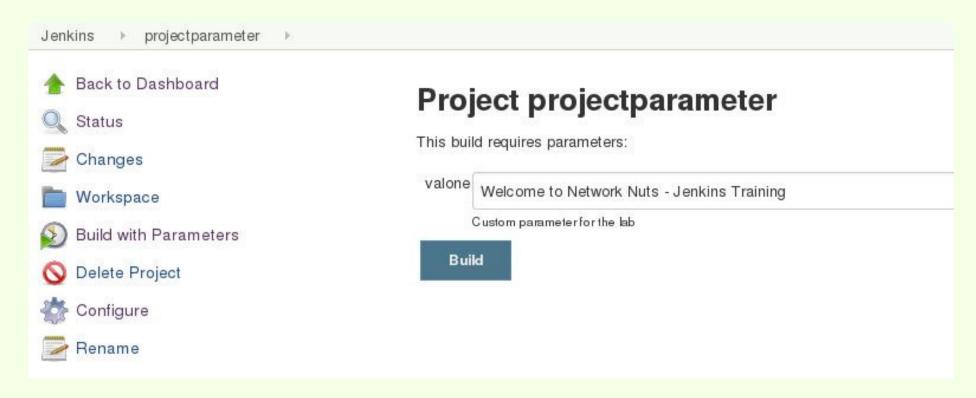
Build	
Execute she	ell
Command	echo "\$valone"
	See the list of available environment variables

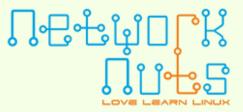


Click on Apply and Save. You can see your project on the dashboard. Now we have to choose "Build with Parameters" for this project build.

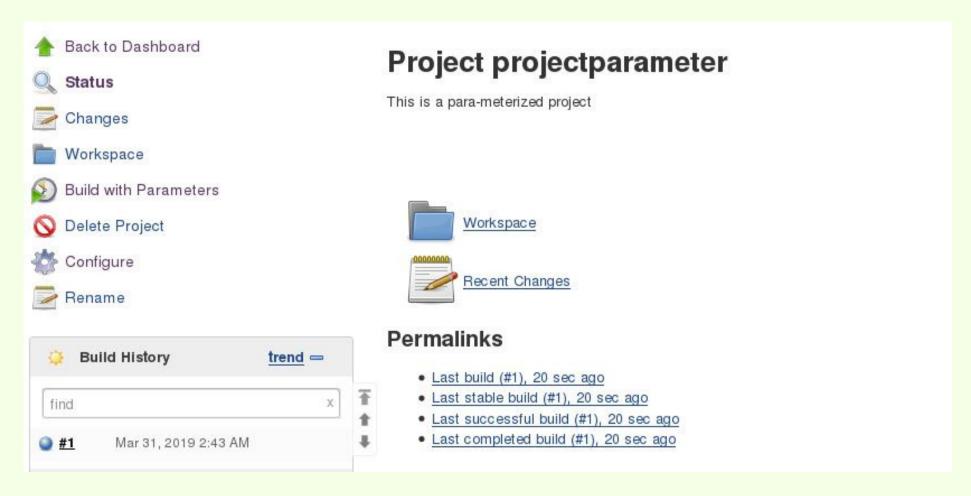


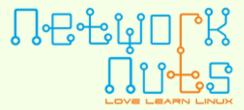
As you build, the project will show you the "valone" parameter and its default value. For this build we are going ahead with default value.





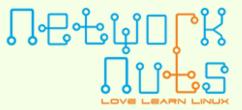
The build will is a success. We can check the console output by clicking on "#1" under "Build History"



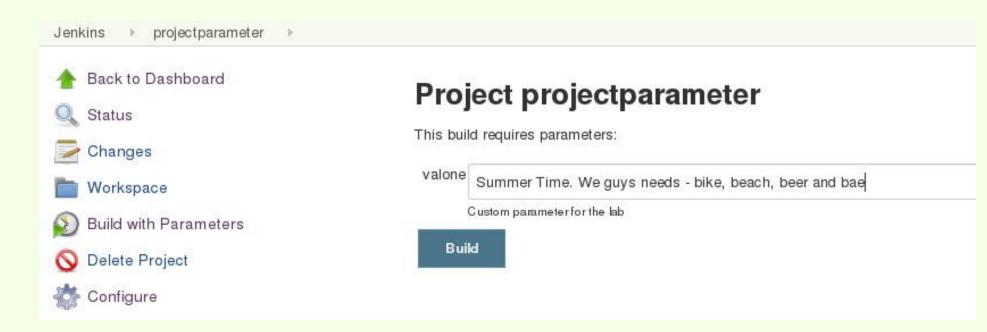


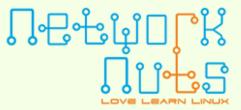
Selecting "Console Output", we can see the default value - Welcome to Network Nuts - Jenkins Training





Now build the project one more time, and this time change the default value.





Build will be a success like earlier. This time we are getting the new output, not the default one.



