

# Blue Ocean

## Section 5

# What you will learn in this section

## Theory:

- What is Blue Ocean
- Install Blue Ocean
- Tour of Blue Ocean

## Practice:

- Create a Pipeline with Blue Ocean

# What is Blue Ocean?

Video 5.1

## What you will learn in this video

- What is Blue Ocean
- Advantages of Blue Ocean
- Preview of Blue Ocean

# What is Blue Ocean?

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- Visual editor for creating pipelines



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- Designed for pipeline jobs but works well also with freestyle jobs
- Visual editor for creating pipelines
- Visualisation of CI/CD pipelines

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- Native integration with branches and pull requests for GitHub and Bitbucket
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- Intuitive and visual tool
- Easy to use for anyone in the team
- Make it easier to debug and pinpoint errors in a pipeline job
- Native integration with branches and pull requests for GitHub and Bitbucket
- More modern UI and better user experience
- Can switch between Blue Ocean and classic UI



# Blue Ocean Dashboard





Jenkins





PipelinesAdministration





Logout




Pipelines 🔍 Search pipelines... New Pipeline





Favorites









 building-a-multibranch-pipeline-project development #2ec7747 a minute ago   

 simple-node-js-react-npm-app master #be4ffd6 31 minutes ago   

 simple-java-maven-app master #e51db83 24 minutes ago   

 building-a-multibranch-pipeline-project master #87393ab a few seconds ago  

 building-a-multibranch-pipeline-project production #e85d115 7 minutes ago   

NAME	HEALTH	BRANCHES	PR
building-a-multibranch-pipeline-project	 1 failing	-	
simple-java-maven-app	 -	-	
simple-node-js-react-npm-app	 -	-	
simple-python-pyinstaller-app	 1 passing	-	

# Blue Ocean Dashboard


Jenkins


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Logout


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Favorites


 building-a-multibranch-pipeline-project


 development


 #2ec7747


 a minute ago




  


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# Blue Ocean Dashboard

Jenkins

PipelinesAdministration

Logout

Pipelines 🔍 Search pipelines... New Pipeline

Favorites

×

building-a-multibranch-pipeline-project

🔗 development

🔗 #2ec7747

🕒 a minute ago

🔄 ⏮ ⏭ ⭐

—

simple-node-js-react-npm-app

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🔗 #be4ffd6

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!

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🔗 #e85d115

🕒 7 minutes ago

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# Blue Ocean Dashboard

Jenkins

PipelinesAdministration

Logout

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# Activity View

**Jenkins**

PipelinesAdministration

 Logout

 bitwise-jenkins / junit-plugin ☆

ActivityBranchesPull Requests











Status	Run	Commit	Branch	Message	Duration	Completed	
	3	b518058	PR-7	-	4m 51s	a minute ago	
	1	63a7f47	master	-	5s	8 minutes ago	
	1	86b2229	PR-7	-	48s	7 minutes ago	
	6	d3d9a39	blog/blue-ocean-editor	-	1m 52s	12 minutes ago	
	5	d3d9a39	blog/blue-ocean-editor	-	11m 8s	4 hours ago	

Image: <https://jenkins.io/doc/book/blueocean/activity> CC BY-SA 4.0

# Activity View

## Jenkins

PipelinesAdministration

bitwise-jenkins / junit-plugin ☆ActivityBranchesPull Requests

Status	Run	Commit	Branch	Message	Duration	Completed	
✓	3	b518058	PR-7	-	4m 51s	a minute ago	↺
✓	1	63a7f47	master	-	5s	8 minutes ago	↺
✗	1	86b2229	PR-7	-	48s	7 minutes ago	↺
—	6	d3d9a39	blog/blue-ocean-editor	-	1m 52s	12 minutes ago	↺
✓	5	d3d9a39	blog/blue-ocean-editor	-	11m 8s	4 hours ago	↺

Image: <https://jenkins.io/doc/book/blueocean/activity> CC BY-SA 4.0

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## Jenkins

PipelinesAdministration

bitwise-jenkins / junit-plugin ☆

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Image: <https://jenkins.io/doc/book/blueocean/activity> CC BY-SA 4.0

# Pinpoint Errors in Pipeline Jobs

✕ bitwise-jenkins / junit-plugin #1

Pipeline

Changes

Tests

Artifacts

↺

✎

🔗

✕

Pull Request: PR-7

🕒 48s

No changes

Commit: 86b2229

🕒 a minute ago

Initialize

Build

Report

✕

Steps - Initialize

🔗

⬇

✓

> Fetches the environment variables for a given tool in a list of 'FOO=bar' strings suitable for the withEnv step.

<1s

✓

> Use a tool from a predefined Tool Installation

<1s

✓

> Fetches the environment variables for a given tool in a list of 'FOO=bar' strings suitable for the withEnv step.

<1s

✓

> Use a tool from a predefined Tool Installation

<1s

✓

> General SCM

21s

✕

▼ Shell Script

<1s

1

[e-jenkins\_junit-plugin\_PR-7-4ER2Y6SMXFXYX35EAW7IBEK7PUBWEKHLIPYA6JQPSF2NMLDUTDA] Running shell script

2

+ echo PATH =

3

/Library/Java/JavaVirtualMachines/jdk1.7.0\_80.jdk/Contents/Home/bin:/var/jenkins\_home/tools/hudson.tasks.Maven\_MavenI

4

PATH



# Visual Pipeline Editor

Jenkins

Pipelines

Administration

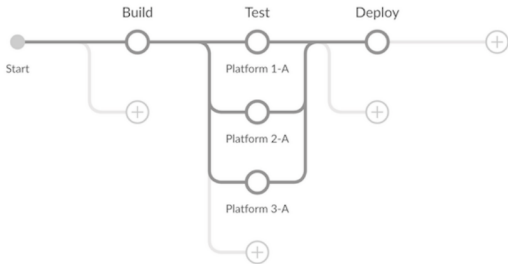


Logout

bitwise-jenkins / logstash-plugin / master

Cancel

Save



## Pipeline Settings

Agent

any

Environment

Name

Value



# Next Video

Video 5.2 Install Blue Ocean

