

# A CI/CD solution to elevate developer workflows.

Semaphore helps product teams deliver software with high standards of quality, security, and efficiency.



# Here's why you should choose Semaphore CI/CD

⚡ Track down slow pipelines and flaky tests.

📦 Manage deployment across environments.

🔒 Integrate compliance checks and audit trails.

😊 Self-host or run in the cloud without seat cost.

👏 Get support from CI/CD experts with 10+ yrs experience.

The screenshot displays the Semaphore CI/CD web interface for a project named 'semaphore-wordpress'. The main area shows a visual pipeline builder with several stages: 'WordPress Setup & Build', 'Integration Tests' (including WC Stripe Payments Hook and WooCommerce Set-Up), 'Release Candidate' (including Github RC), 'Link Tests' (including External Plugins and Internal Plugins), and 'Production' (including Theme Custom Logic and Internal Plugins). A 'QA Environment Preparation' block is also visible, containing 'Publish plugin', 'Connect and prepare DB', 'Install artifact plugin', and 'Finalize setup'. The right sidebar shows configuration options for the pipeline, including 'Name of the Pipeline', 'Agent', 'Environment Type', 'Machine Type', and 'Containers'. A video call window with a person's face is visible in the bottom right corner of the interface.

Quick overview of Semaphore

# Trusted by engineering teams at



**BetterUp**

**indeed**



 **CONFLUENT**

**logikcull**

 **TIGERA**

 **WorkOS**

**CallRail**

**AppSignal** 

**klarx**

 **nedap**

**500px**

**magnetis**

**SUPERHUMAN**

**zepto**

**TRÆLS**

**SB** Simply Business



 **BlueLabs**

 **Smart Pension**

 **simplepractice**

 **R1**

 **charity: water**

**mynewsdesk**

# Here's what you can do with Semaphore CI/CD

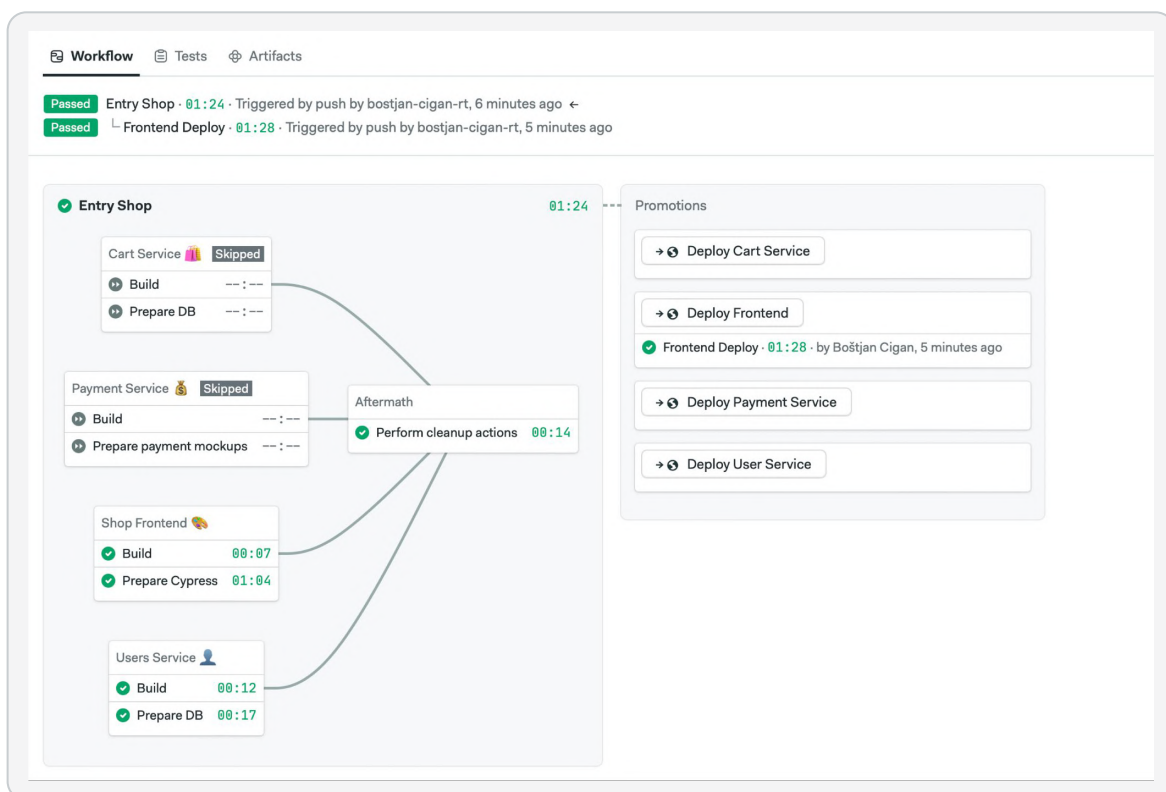


1/5

## Continuous Integration & Pipelines

- Model your pipelines visually and auto-generate config as code in your connected repositories.
- Get visual feedback on your pipeline performance and use smart optimization features to make your pipelines run faster.
- Run jobs on your own infrastructure with self-hosted agents (for isolated environments).

[Learn more](#)



Workflow Builder



# Deployments & Automation

- Orchestrate your deployment strategies.
- Provide deployment oversight.
- Maintain deployment integrity.
- Automate common infrastructure tasks.

[Learn more](#)

The screenshot displays a CI/CD pipeline interface. At the top, a summary bar shows the pipeline status: **Passed** Initial Pipeline · 01:20 · Triggered by push by bostjan-cigan-rt, 18 days ago. Below this, a list of stages is shown: **Running** Production Deploy · 00:22 · Triggered by push by bostjan-cigan-rt, just now; **Passed** Development Environment Preparation · 1 parameter · 00:18 · Triggered by push by bostjan-cigan-rt, 18 days ago; and **Passed** Development Environment Preparation · 2 parameters · 00:19 · Triggered by push by bostjan-cigan-rt, 18 days ago.

The main area shows the **Initial Pipeline** (01:20) with a flow diagram. It includes stages for **WordPress Setup & Build** (Build 00:19, WooCommerce Set-Up 00:17), **Integration Tests** (WC Stripe Payments Hook 00:15, eBay Seller Market 00:14), **Unit Tests** (External Plugins 00:23, Theme Custom Logic 00:16, Internal Plugins 00:17, WooCommerce 00:19), and **Release Candidate** (Github RC 00:29).

The **Promotions** sidebar on the right shows a **Promote to Acceptance Environment?** dialog with fields for **AWS\_MACHINE** (m7g.medium) and **ENVIRONMENT** (default empty value). Below this, a list of deployment targets is shown: **Internal Repository**, **Production** (Production Deploy · 00:22 · by Boštjan Cigan, just now), **QA Testing Environment**, and **WordPress Plugin Repository**.

Promotions



## Metrics & observability

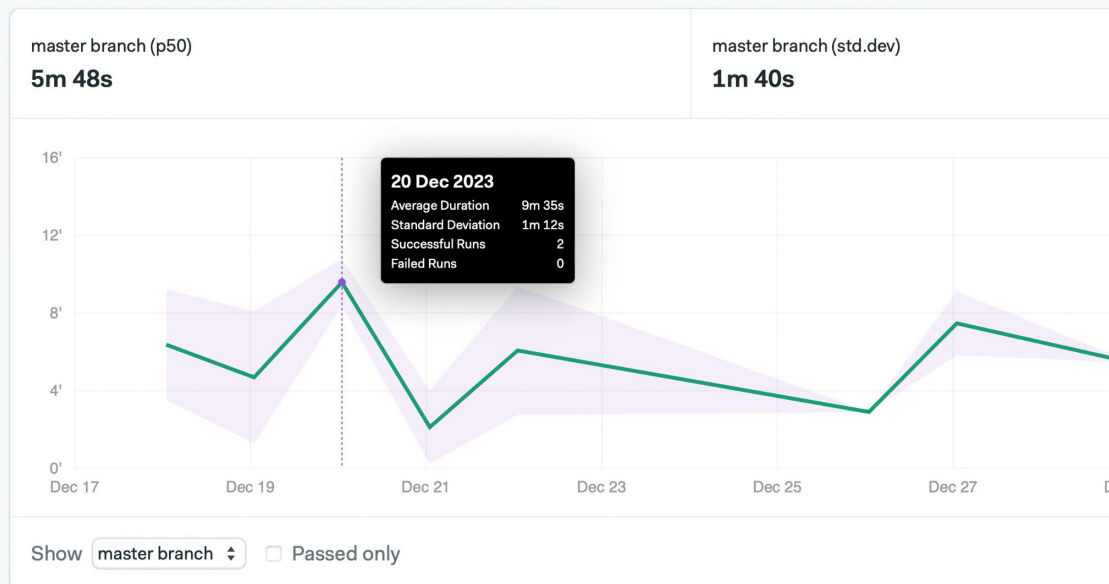
- Streamline issue detection.
- Address error-prone tasks and unpredictable tests that could cause sporadic build failures.
- Gain enhanced visibility to optimize the speed and reliability of your CI workflows.

[Learn more](#)

### CI Performance — 5m 48s

A fast feedback loop is essential for elite performing teams.

Make sure your pipelines are fast, and have a short feedback loop.



Project Insights



## Security & Compliance

- Set-up roles and access levels to your engineering teams.
- Use Okta for Single Sign-On and role management.
- Store, manage and rotate your deployment secrets.
- For enhanced security, use OpenID to authenticate with external providers.
- Gain regulatory compliance with audit trails for system-wide actions.

Learn more

The screenshot displays the 'Project Secrets' management interface. On the left, there are sections for 'AWS Credentials' (with environment variables and configuration files) and 'BrowserStack credentials'. The main area shows an 'Audit Logs' section with a list of events:

- Boštjan Cigan — User.Added**: Adding members to the organization. 34 minutes ago. Web · 193.164.140.10
- Boštjan Cigan — Secret.Added**: Project: [semaphore-browserstack](#). Added secret AWS Credentials to the project 7215e1d3-1e42-4226-abbd-4d7c1ba2ea0b. 2 hours ago. Web · 193.164.140.10
- Boštjan Cigan — Secret.Added**: Project: [semaphore-browserstack](#). Added secret AWS Credentials to the project.
- Boštjan Cigan — Pipeline.Promoted**: Project: [semaphore-browserstack](#), Branch: [setup-semaphore](#), Workflow: [Update Semaphore config](#), Pipeline: [Entry Shop](#). Triggered a promotion to Deploy Front.
- Boštjan Cigan — Project.Modified**: Committed a new YAML to repository.
- Boštjan Cigan — Project.Modified**: Committed a new YAML to repository.

Below the audit log, a terminal window titled 'Pre-Flight Check' shows the following code:

```
printf '%s\n' 'tomfern' 'gh-user' 'foo-bar-user' > allowed_users.txt
user_is_allowed() {
  grep - Fxq $SEMAPHORE_PIPELINE_PROMOTED_BY allowed_users.txt;
}
is_promotion() { [${SEMAPHORE_PIPELINE_PROMOTION} == "true"]; }

if is_promotion;
then
  if user_is_allowed;
  then echo "Promotion allowed.";
  else false;
fi;
else echo "Initial pipelines are allowed.";
fi
```

Secrets



## Developer Toolkit

- Jump into active workflows using SSH sessions and debug directly from your terminal.
- Create and manage your projects and resources using the CLI.
- Make your custom integrations using the API.
- Best of all – our whole developer toolkit is open source.

[Learn more](#)

The screenshot shows the Semaphore Public API interface on the left and a terminal window on the right. The API interface includes a 'Servers' dropdown menu with the URL 'https://{org\_name}.semaphoreci.com/api/v1', a 'Server variables' section with 'org\_name' set to 'friendly-traffic-light', and a 'Pipelines' section with several endpoints listed.

The terminal window, titled 'CLI Power! ⚡', shows the following commands and output:

```
bostjan@semaphore ~ % sem logs 73aa701c-428c-4bbc-b4e8-82e18504ae39

* Injecting Files
Injecting /home/semaphore/.ssh/semaphore_cache_key with file mode 0600
Injecting /home/semaphore/.ssh/id_rsa with file mode 0600

exit status: 0

bostjan@semaphore ~ % sem get workflow ff2038c3-2d1b -p browserstack
Label: setup-semaphore

PIPELINE ID      PIPELINE NAME  CREATION TIME  STATE
c37e7f5f-8e6f-48cf-9a50  Entry Shop    2024-03-05 14:12:53  DONE
```

### CLI Tooling



# Switching to Semaphore

Here are the results companies achieved 🏆

**indeed**

3x↓ build time  
3.3x↑ deploys per day  
10x↓ decrease in flaky tests

“We cut our average build time by more than half and deploy 3x more often”



**Nic Cavigliano**  
Senior Software Engineer

[Read case study](#)

**klarx**

3x↓ time to get feedback  
0 wait for CI to start  
10x↓ decrease in flaky tests

“We moved away from GitHub Actions and now build 3x faster with Semaphore”



**Amin Ben Slimen**  
Senior Software Engineer

[Read case study](#)

**SUPERHUMAN**

3.6x faster build time  
3x cheaper to run builds  
2x better performance

“We reduced our build time from 22 minutes to 8 minutes with Semaphore”



**Conrad Irwin**  
CTO / Co-Founder

[Read case study](#)

**magnetis**

2x faster build time  
50% decrease in turnaround-time  
3x bigger productivity

“We build iOS apps 2x faster and have projects running in one platform”



**Philip Sampaio Silva**  
Team Leader

[Read case study](#)

[More case studies →](#)

# Let's get started 🙌

Start building for free

[semaphoreci.com](https://semaphoreci.com)

Find out which plan works best for your team 🤔

[Learn about pricing →](#)

Discover what Semaphore can do for your team 👤

[Talk to a developer →](#)