

# CI/CD Evaluation

## CHECKLIST

In order to be successful at CI/CD, there are certain abilities your tool should provide you. Here are different categories of evaluation criteria your team should assess:

### Can it build my product?

- ☐ Does it have out-of-the-box support for the languages that my team uses?
- ☐ Does it support the platform we need to build? (Windows/Mac/iOS/Android)

### How easily can I locate failures?

- ☐ Does it show me failed tests in a way that allows me to fix the problem quickly?
- ☐ If there is a system failure, is the build easy to re-run/does it re-run automatically?
- ☐ Can I easily jump back into the commits/code for a particular build?
- ☐ Does the interface allow me to find what I need easily?

### How fast is it?

- ☐ How long does it take to run my tests?
- ☐ How long does it take to build my product?
- ☐ How long does it take to upload my build artifacts?
- ☐ How long does it take to deploy to production?
- ☐ How long does it take to deploy to production when I need to fix a bug?

### Is it reliable?

- ☐ Does CI/CD run whenever I need it to run?
- ☐ Does the product correctly notify me when something has gone wrong?
- ☐ How often do builds fail because of a system issue? (i.e. something outside of my control)

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### Can it deploy my product?

- ☐ Does it do anything “special” for CD? E.g. seeing a list of deployments, handling rollbacks, etc.
- ☐ Can I store my CI output somewhere? (Building executables)

### How easy is it to configure?

- ☐ Do I need to write a configuration file?
- ☐ If so, are there resources available that help me write it?
- ☐ How much effort does it take to configure our most complex workflows?

### Is the product well-supported?

- ☐ Is the configuration well-documented?
- ☐ When I want to accomplish a task, how quickly can I figure out how to do it?
- ☐ If something goes really wrong, can I talk to a human?

### Is it secure?

- ☐ Do I have control over where builds run geographically?
- ☐ Can I run builds on my own infrastructure if compliance requires it?
- ☐ Can I control which users see which builds in my organization?

### Is it easy to collaborate in the ways my team needs?

- ☐ Does it integrate with our communication platforms? (E-mail, Slack, etc.)
- ☐ Can I easily add my teammates to the platform?