

October 2024

Contributing to Gradle Docs

Gradle
BUILD  TOOL





Contributing to Gradle Docs

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Outline

- Introduction
- Contributing to Gradle User Manual
- Contributing to the Cookbook and other new resources
- Q&A





Gradle in Hacktoberfest

- 🎓 Beginner: [Learn Gradle](#) - Gradle Basics, Java, Kotlin, Android
- ✅ Easy: [Adopt Gradle Best Practices in your projects with GitHub Actions](#) - GHA, Scripting, Docs
- 📖 Easy/Medium: [Expand the Gradle Cookbook](#) - Documentation, Markdown, tech of your choice
- 🌐 Easy/Medium: [Improve the Gradle Community Site \(this one!\)](#) - MkDocs, Web Design, Docs
- 🐘 Medium: [Contribute to GradleUp Plugins](#) - Java, Kotlin, Android, Docs
- 😎 Medium: [Stabilize support for ViteJS](#) - Kotlin, JavaScript ecosystem, Gradle
- 🛠 Medium/Advanced: [Configuration Cache Compatibility in Plugins](#) - Java, Kotlin, Gradle
community.gradle.org/events/hacktoberfest/2024



Why Documentation?

- Gradle has a learning curve
- Documentation is a key part of Gradle user experience
- Different documentation sets for different roles and expertise levels
- Contributions hotspot in Gradle
- High impact

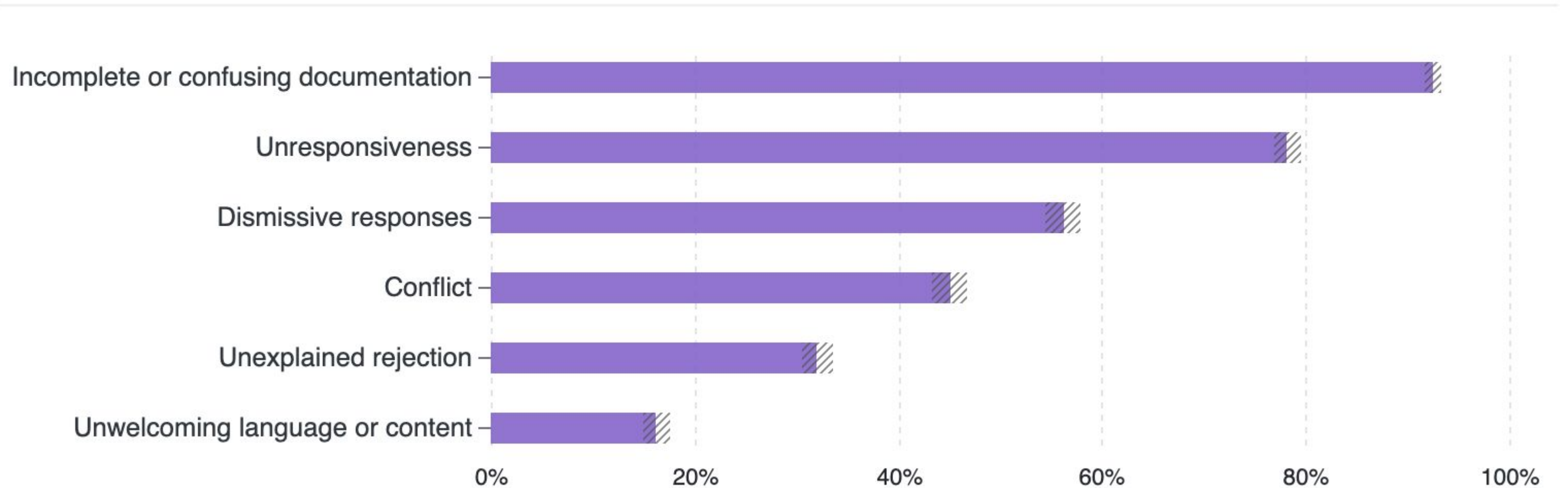




Documentation for Contributors, too

Fig1. - Problems encountered in open source

Source: opensourcesurvey.org



<https://opensourcesurvey.org/2017/>



High impact

Over 1M visitors per month:

Page location		↓ Views
Totals		1,163,191
1	https://docs.gradle.org/current/userguide/declaring_repositories.html	61,814
2	https://docs.gradle.org/8.7/userguide/command_line_interface.html	38,674
3	https://docs.gradle.org/current/userguide/compatibility.html	38,344
4	https://docs.gradle.org/current/userguide/installation.html	23,417
5	https://docs.gradle.org/current/userguide/gradle_wrapper.html	22,068
6	https://docs.gradle.org/current/userguide/userguide.html	21,299
7	https://docs.gradle.org/current/userguide/build_environment.html	19,801
8	https://docs.gradle.org/current/userguide/plugins.html	19,370
9	https://docs.gradle.org/8.5/userguide/command_line_interface.html	15,027
10	https://docs.gradle.org/current/userguide/command_line_interface.html	13,438



Contributing to Documentation?

- Documentation is a great way to start contributing
- Suitable for any time you have
- Suitable for any level of experiences
- Newcomers...
 - Study & Learn
 - Bring New Perspectives
 - See mistakes where others couldn't



Contributing to Gradle Docs


One entry point to find them all:

community.gradle.org/contributing/documentation/



Key Locations

[DPE University is live!](#) Learn more about Gradle Build Tool, Gradle Build Scan, Develocity and the ecosystem

 **Gradle** Build Tool

About ▾ Docs ▾ Learn ▾ Get Help ▾ Community ▾ Gradle

- User Guide
- Gradle Basics
- Installing Gradle
- Languages and Frameworks [is Live! >](#)
 - Gradle for Java/JVM
 - Gradle for Kotlin [🔗](#)
 - Gradle for Android [🔗](#)
- Developing Plugins
- Gradle Cookbook [🔗](#)
- Contributor Guide [🔗](#)

Gradle accelerates
development productivity

Gradle is the open source build system of choice for Java, Android, and Kotlin developers. From mobile apps to microservices, from small startups to big enterprises, it helps teams deliver better software, faster.

[Install Gradle 8.10.2](#) [Get Started Guides](#)



Key Locations

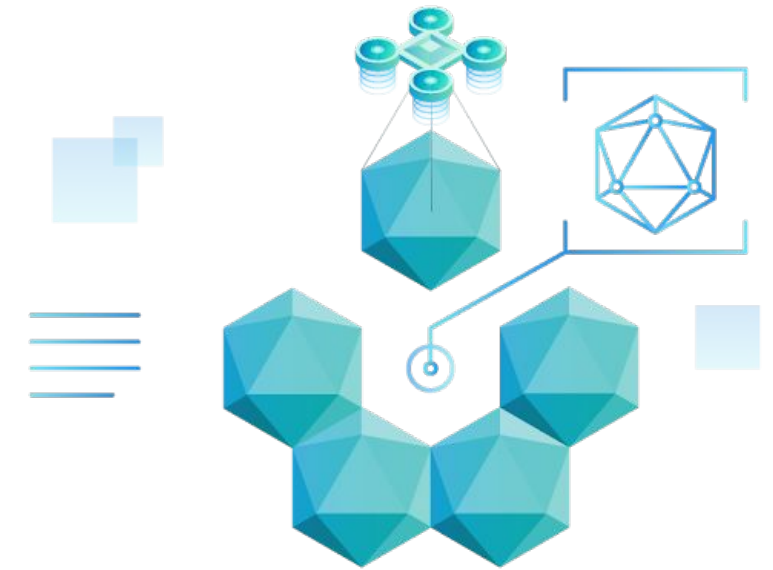
- docs.gradle.org
- Plugin documentation (Plugin Portal & self-hosted)
- Release Notes, Javadocs, etc.
- **NEW:** [Gradle Cookbook](#)
- **NEW:** [Gradle Community Site](#)





The Gradle User Manual

<https://docs.gradle.org>



Community ▾ DPE University Events News ▾ Develocity

Search

Overview

[What is Gradle?](#)
[Quick Start](#)

Releases

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[Installing Gradle](#)
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[Troubleshooting](#)
[Compatibility Notes](#)
[Gradle's Feature Lifecycle](#)

Running Gradle Builds

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[Gradle in the IDE](#)
[Continuous Build](#)

Gradle User Manual

Gradle Build Tool



Gradle Build Tool is a fast, dependable, and adaptable open-source [build automation](#) tool with an elegant and extensible declarative build language.

In this User Manual, Gradle Build Tool is abbreviated **Gradle**.

Why Gradle?

Gradle is a widely used and mature tool with an active community and a strong developer ecosystem.

- Gradle is the most popular build system for the JVM and is the default system for Android and Kotlin Multi-Platform projects. It has a rich community plugin ecosystem.
- Gradle can automate a wide range of software build scenarios using either its built-in functionality, third-party plugins, or custom build logic.

Contents

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The Gradle User Manual

- <https://docs.gradle.org/>
- <https://github.com/gradle/gradle>
 - [platforms/documentation/docs/src](#)
 - [snippets + samples](#)
 - [docs/userguide](#)
- Check out the [README](#)
- DEMO TIME!



How to contribute?

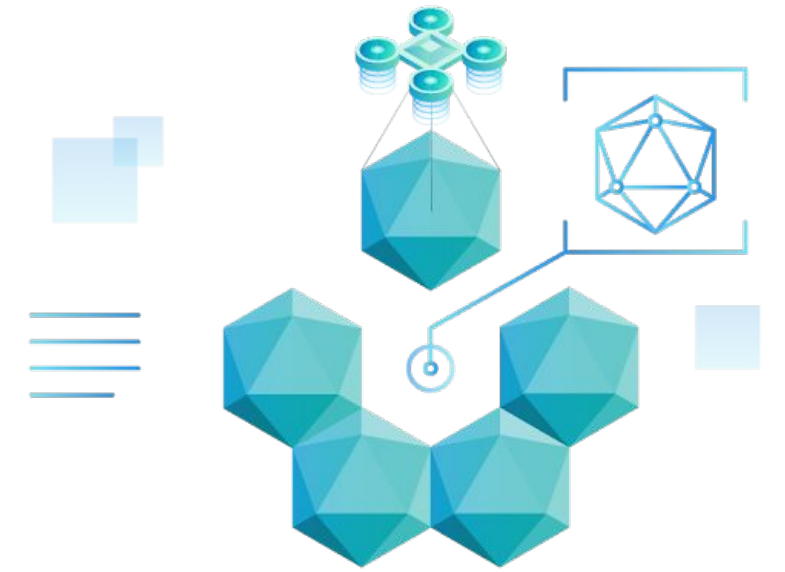
- Pull request <https://github.com/gradle/gradle/pulls>
- DEMO TIME!



Ideas for contributions:

1. Help me rewrite **Optimizing Build Performance**
2. Update code snippets in **Running Gradle Builds** and **Authoring Gradle Builds** to use best practices
3. Create the **Gradle Glossary**
4. Fix typos or grammatical errors





The Gradle Cookbook

cookbook.gradle.org





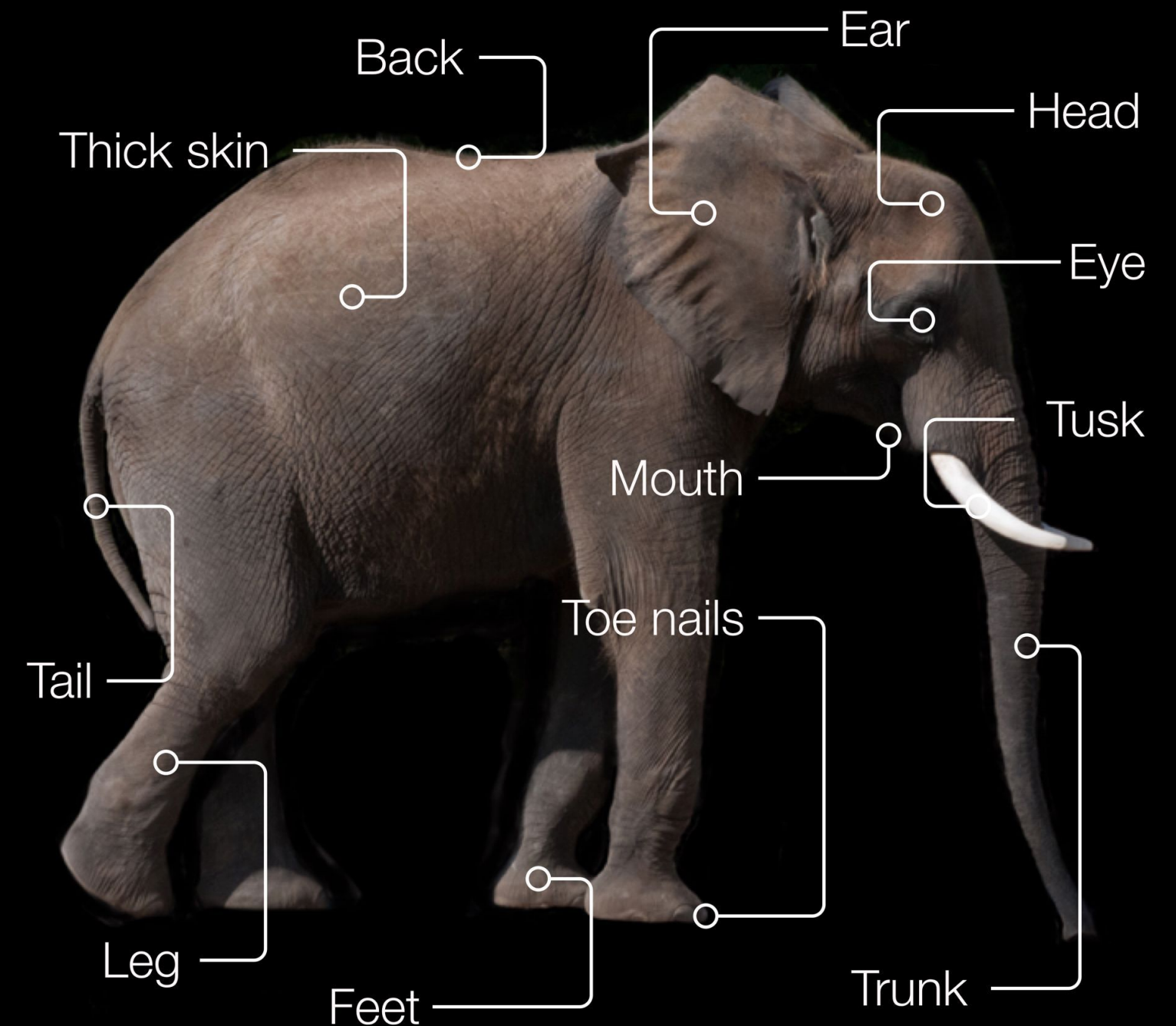
New Gradle sites (with Docs)

- community.gradle.org
- cookbook.gradle.org
- declarative.gradle.org



New Documentation Engine

- Static Site
- Documentation as Code
- Easy to Contribute
- Markdown + MkDocs + Material for MkDocs
- Multi-repository sites



Source: English Grammar Club

<https://at.pinterest.com/pin/516365913526453291/>



... and the Contributor Experience

- Dev Containers
- GitHub Pages
- GitHub Actions
- Coming Soon: Previews
- Coming Soon: Static Analysis & Checks



Demo Time!

Let's Edit the Cookbook Together!

github.com/gradle/community/blob/main/docs/CONTRIBUTING.md



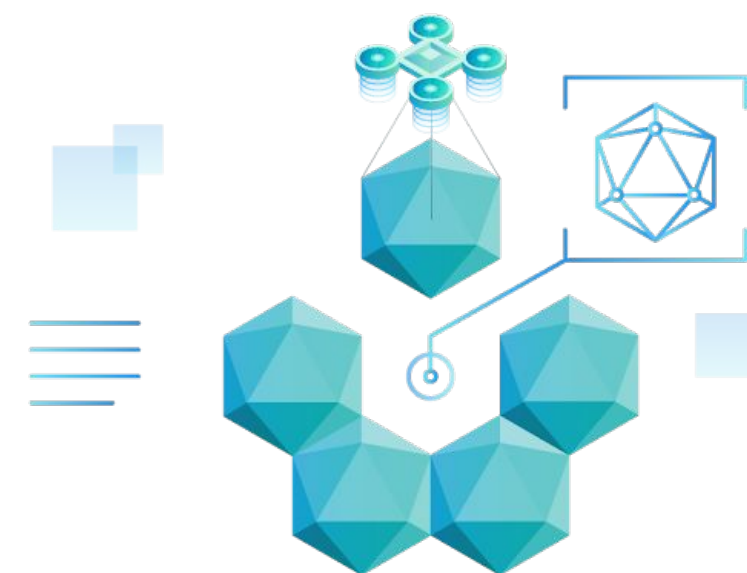
Gradle Cookbook. Help Needed

- Content ideas
- New Chapters and Recipes
 - Android
 - Kotlin
 - Troubleshooting
 - Plugin Development
 - Gradle for Native Projects and other languages
 - ...
 - Your use-cases!
- Styling, Look & Feel
- Components and Controls



github.com/gradle/cookbook/issues

github.com/gradle/community/issues?q=is%3Aissue%20label%3Awebsite



The End?





It is **[always]** great time
to contribute



References

- Contributing to Docs:
community.gradle.org/contributing/documentation
- Gradle in Hacktoberfest:
community.gradle.org/events/hacktoberfest/2024



**Thanks to all Docs
contributors!**



Questions?

Join the [#docs](#) on our community Slack!

gradle.org/slack-invite