

# CI/CD pipelines for scientists

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Ansys

## / Introduction

Continuous integration (CI) and continuous delivery (CD) is used for empowering software development through automated integration and deployment, revolutionizing efficiency and reliability in the software delivery lifecycle.

## / Code style

Enforces consistency and code quality through automated analysis, ensuring clean and maintainable software development practices.

## / Doc style

Elevates documentation quality through automated analysis, fostering clear and consistent communication for comprehensive software documentation.

## / Doc build

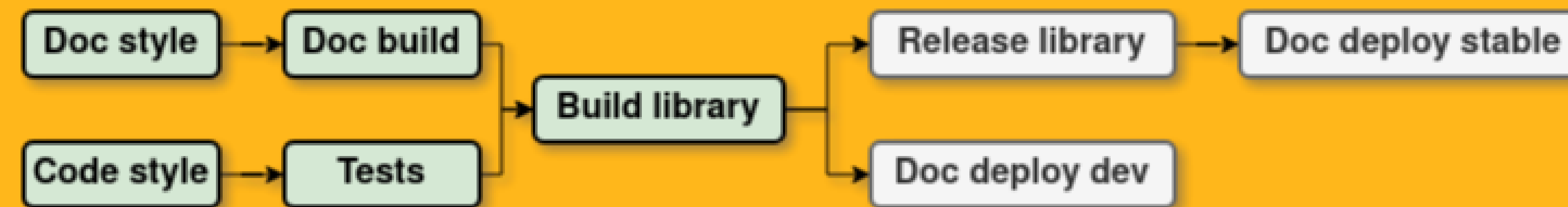
Streamlines the creation of documentation through automated processes, enabling efficient and accurate documentation generation for seamless project collaboration.

## / Tests

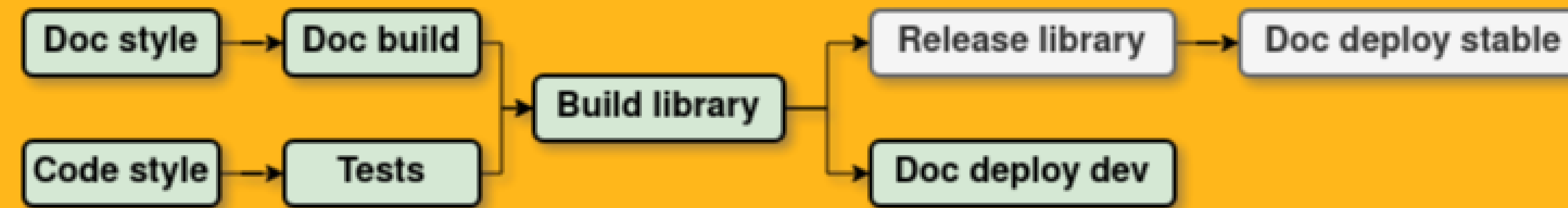
Enhances software quality through systematic and efficient test automation, ensuring robustness, reliability, and code coverage in the development process.

# From code to deployment

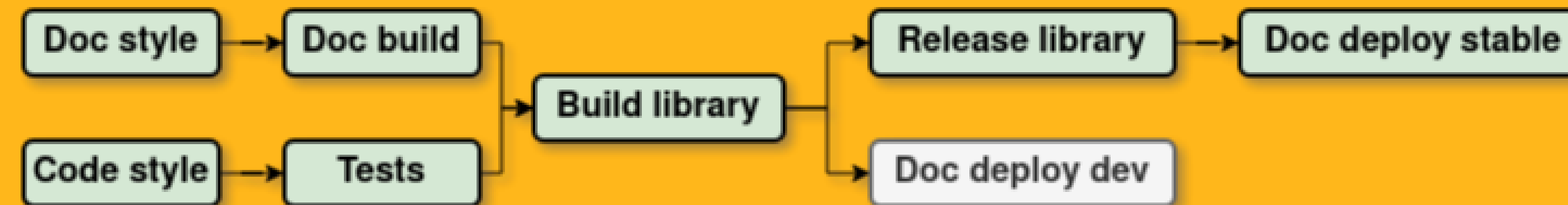
## Pull request workflow



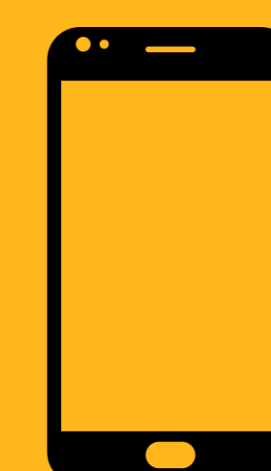
## Main branch workflow



## Release workflow



## Use `ansys/actions@v4`



Want to see our actions?

✓ Visit <https://actions.docs.ansys.com> for more information.

Have questions?

✓ Don't be shy and start the conversation!

## / Build library

Guarantees the creation of components and artifacts for efficient software distribution. Verifies that the artifacts include the proper metadata.

## / Release

Distributes pre-built components and artifacts to expedite software development, enhancing efficiency and scalability in the creation of complex applications.

## / Doc deploy

Streamlines the distribution and accessibility of developer and user documentation, empowering teams and customers with up-to-date resources for seamless collaboration and knowledge sharing.

# PyAnsys

The PyAnsys project is a collection of Python packages that enable the use of Ansys products through Python.

Any questions?

Contact us at [pyansys.core@ansys.com](mailto:pyansys.core@ansys.com).



See our docs for more information on PyAnsys:  
<https://docs.pyansys.com>