

# CI/CD pipelines for scientists

Jorge Martinez  
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

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

## / Doc style

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

## / Doc build

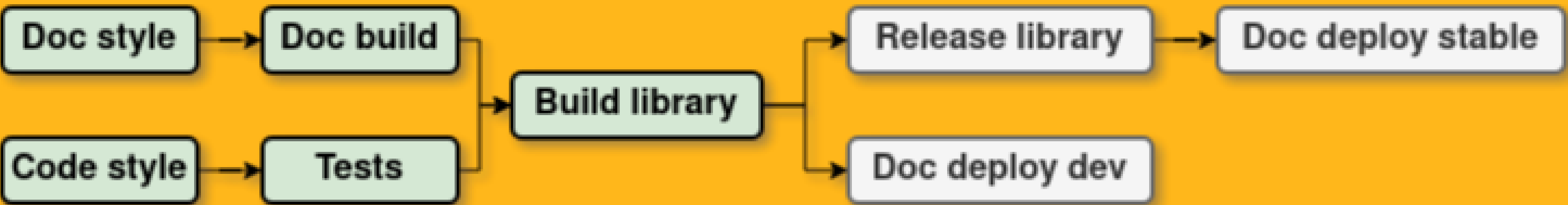
Streamlining the creation of documentation through automated processes, enabling efficient and accurate documentation generation for seamless project collaboration.

## / Tests

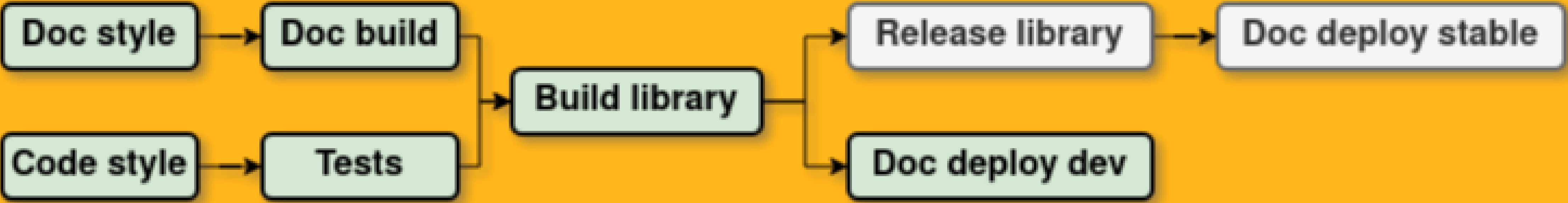
Enhancing software quality through systematic and efficient test automation, ensuring robustness, reliability and code coverage in the development process.

# From code to deployment

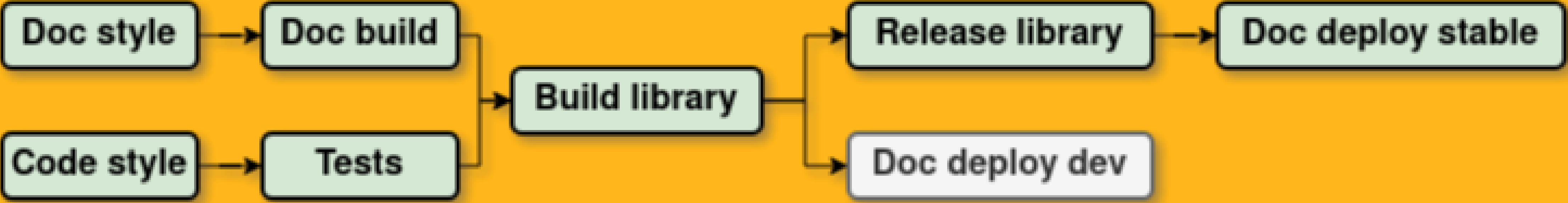
## Pull-request workflow



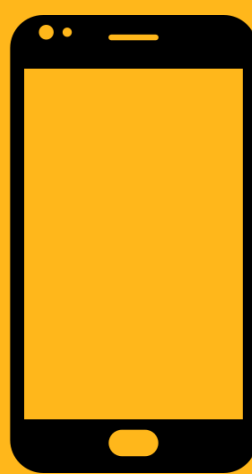
## Main branch workflow



## Release workflow



## Use ansys/actions@v4



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

## / Build library

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

## / Release

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

## / Doc deploy

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



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

Any doubts?  
Contact us at [pyansys.core@ansys.com](mailto:pyansys.core@ansys.com)!



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