

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

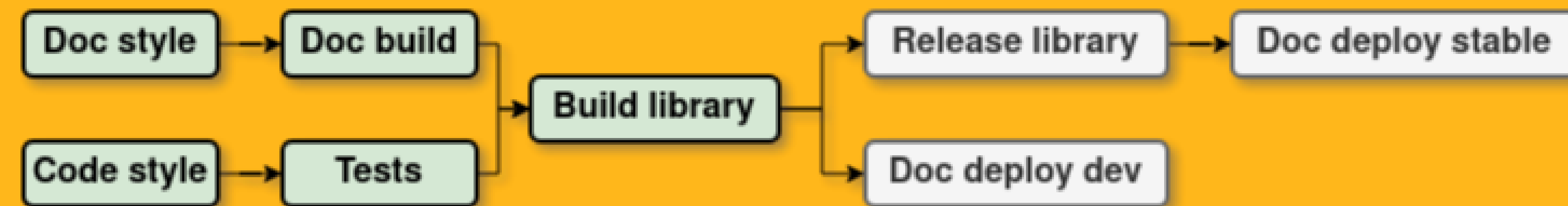
Streamlining the creation of documentation through automated processes, enabling efficient and accurate documentation generation for seamless project collaboration.

/ Tests

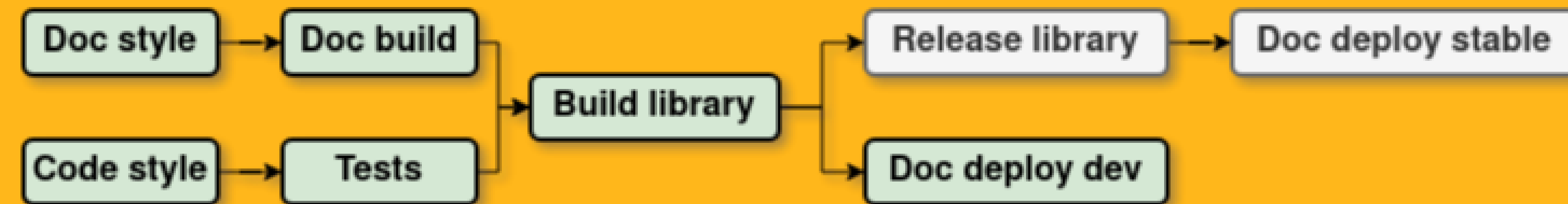
Enhancing software quality through systematic and efficient test automation, ensuring robustness, reliability and code coverage in the development process.

From code to deployment

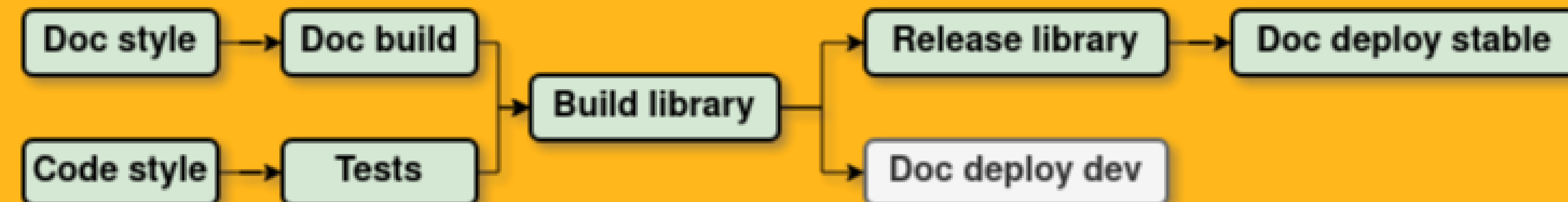
Pull-request workflow



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.

PyAnsys

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!



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