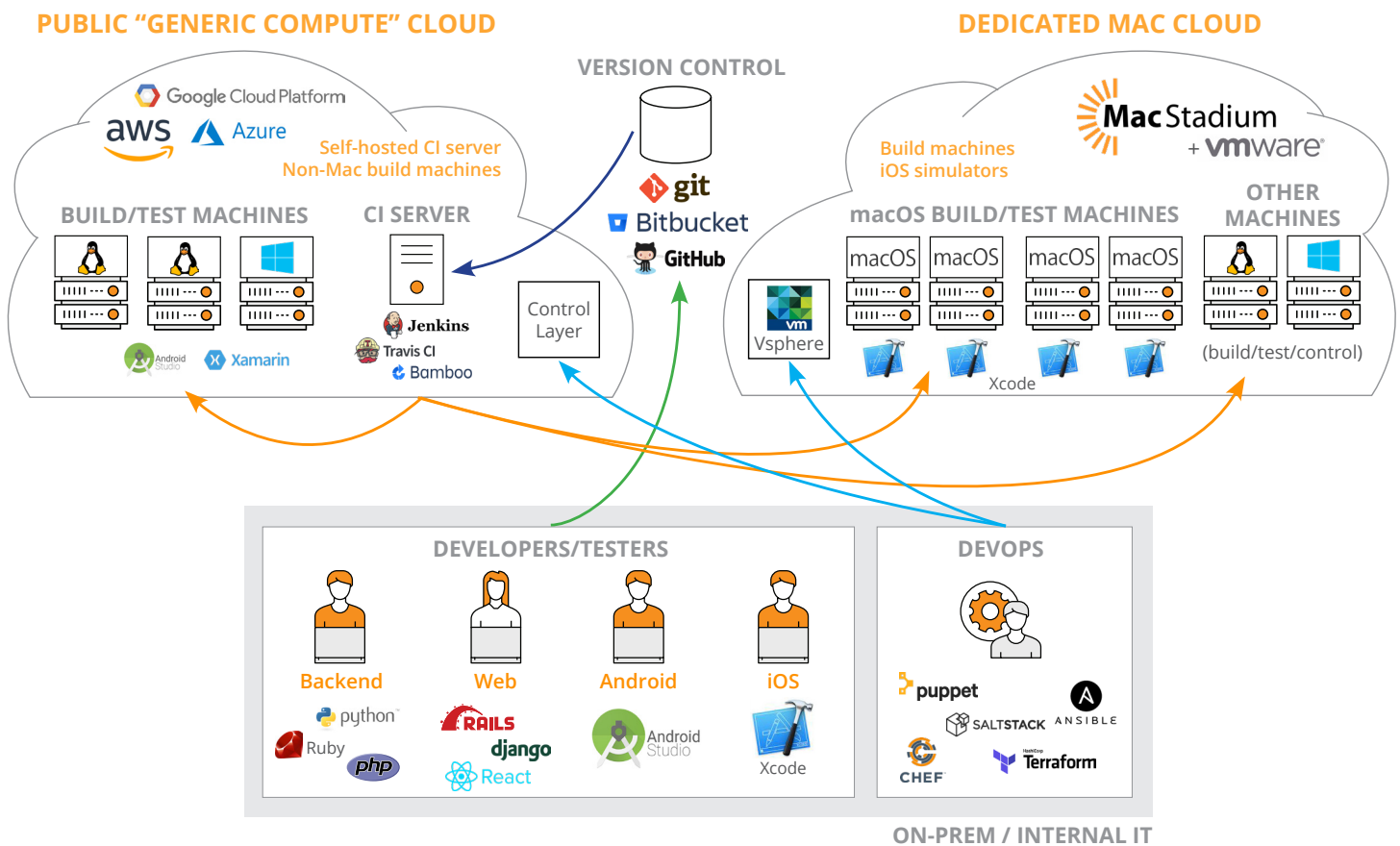


Continuous integration (CI) is the process of automating building and testing of software. When developers commit new code, it's critical to ensure the changes won't have a negative impact on the previously existing version. Using a continuous integration workflow, entire teams can create code seamlessly without introducing integration errors that are hard to fix down the road.

iOS developers practicing continuous integration require Mac hardware to build and test their apps – this is where MacStadium comes in. MacStadium provides dedicated Apple Mac computers that can virtualize any OS in one environment. Whether a single machine or a hosted private cloud, MacStadium engineers will work with your team to develop a scalable solution on dedicated Apple Mac hardware to create a reliable and efficient iOS build infrastructure for your team.



With continuous integration, developers write apps locally in their preferred tool, then check the code into a version control repository. A CI server monitors the repository, and when a change occurs, automatically builds the app and runs integration tests. If a build or test fails, the CI server will alert the team, allowing them to quickly catch bugs and fix any issues. Using VMware on top of MacStadium's physical Mac hosts, developers create virtual macOS machines to use as targets for building and running tests.