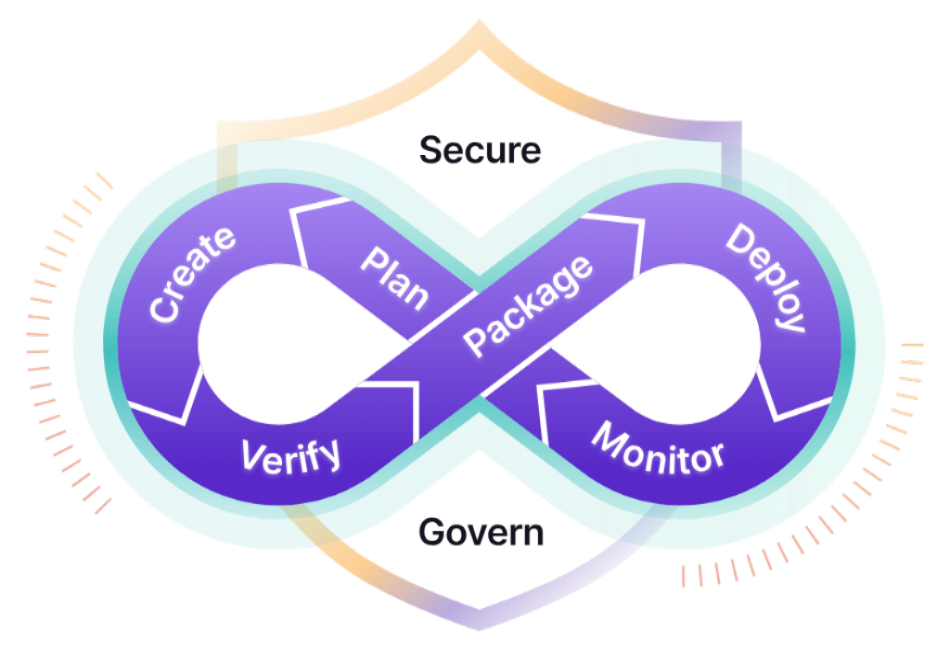
**DEVOPS DEFINITION**

DevOps was coined as a solution to guide the working ways in which the development phase to production. DevOps Projects effectively unified the Software Development approach resulting in improved efficiency. This combines development (Dev) and operations (Ops) to increase the efficiency, speed, and security of software development and delivery compared to traditional processes.



DevOps focuses on incremental development and rapid delivery of software. Success relies on the ability to create a culture of accountability, improved collaboration, empathy, and joint responsibility for business outcomes.

The DevOps methodology aims to shorten the systems development lifecycle and provide continuous delivery with high software quality. It emphasizes collaboration, automation, integration and rapid feedback cycles. These characteristics help ensure a culture of building, testing, and releasing software that is more reliable and at a high velocity.

The DevOps methodology comprises four key principles that guide the effectiveness and efficiency of application development and deployment. These core principles includes;

* Automation of the software development lifecycle. This includes automating testing, builds, releases, the provisioning of development environments, and other manual tasks that can slow down or introduce human error into the software delivery process.
* Collaboration and communication. A good DevOps team has automation, but a great DevOps team also has effective collaboration and communication.
* Continuous improvement and minimization of waste. From automating repetitive tasks to watching performance metrics for ways to reduce release times or mean-time-to-recovery, high performing. DevOps teams are regularly looking for areas that could be improved.
* Hyperfocus on user needs with short feedback loops. Through automation, improved communication and collaboration, and continuous improvement, DevOps teams can take a moment and focus on what real users really want, and how to give it to them.