

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is light green. They are positioned diagonally, with the blue one partially covering the green one.

# DevOps disruptions

Peixu Xin



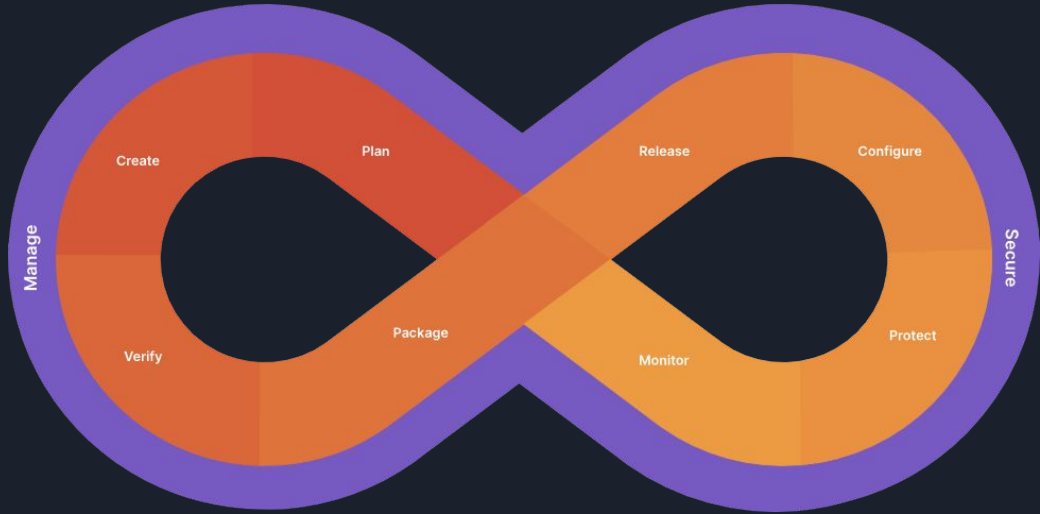
# About DevOps

DevOps is a cultural discipline for integrating the speed of the communication of the development teams and IT workers. DevOps emphasizes the cross-team discussion and the agile methodology.

DevOps is a merged word, which means it combines the “development” and the “Operations” together. The main principle of DevOps is open for others, workflow automation and efficient communications. However, there are no engineers and scholars that give a clear definition to DevOps.

# About Applications

1. Microservices. Microservices architecture is a fast-growing norm for building continuously deployed programs [2].
2. TOSCA (Topology and Orchestration Specification for Cloud Applications) [3]. TOSCA enables the seamless integration of various kinds of DevOps.
3. Smart Campus [4]. Smart campus meets the fast development requirement, and inherits the former system well. It reduce the development iteration time costs, and automate management.
4. BizOps [5]. BizOps optimizes the performance, while maintains the profitability for system.



Credit: <https://about.gitlab.com/topics/devops/>



# Literatures and open source

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- [3] Pingrong, Lin, Shi Xiaoquan, and Yang Junqin. "Research on the Application of DevOps in the Smart Campus of Colleges and Universities." Journal of Physics: Conference Series 1883.1 (2021)ProQuest. Web. 11 Sep. 2022.
- [4] Fokaefs, Barna, C., & Litoiu, M. (2018). From DevOps to BizOps. ACM Transactions on Autonomous and Adaptive Systems, 12(4), 1–29. <https://doi.org/10.1145/3139290>