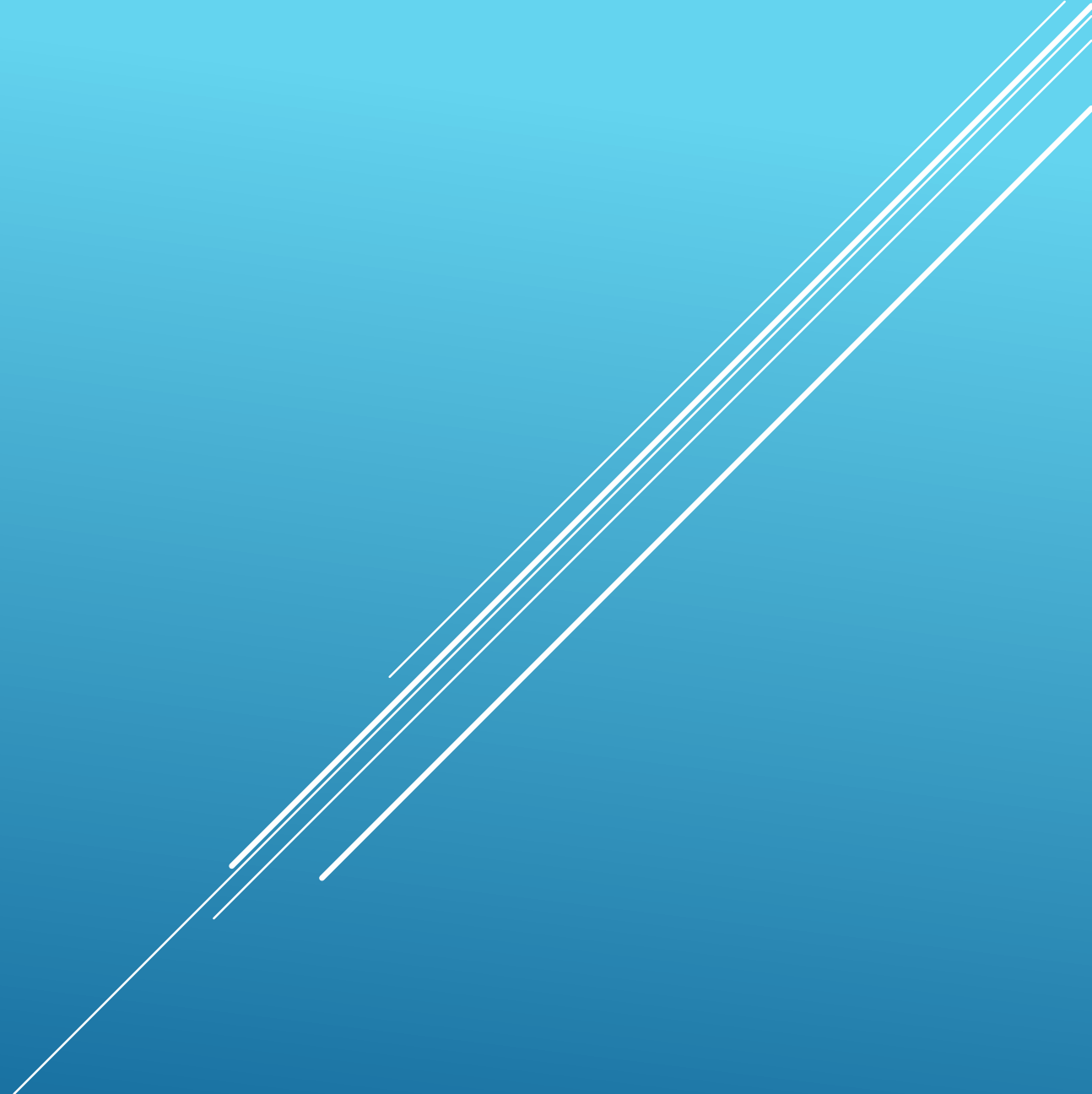# UDAPEOPLE

CI/CD APPROACH

CI/CD PIPELINE

- CI/CD pipeline refers to the automation that enables incremental code changes from developers' desktops to be delivered quickly and reliably to production.

CI/CD

► Continuous Integration (CI):

Modern software development practice in which incremental code changes are made frequently and reliably.

Establishes an automated way to build, package, and test the applications.

► Continuous deployment (CD):

CD provides an automated and consistent way for code to be delivered to environments.

BENEFITS OF CI/CD

- Improve Developer Productivity
- Bring Products to Market Faster
- CI/CD enables organizations to respond to consumer needs as they evolve.
- Less downtime\quick rollback to production
- Find and Address Bugs Quicker
- Integrate code easily among multiple developers
- Automate the Software Release Process
- Flow of new features and bug fixes via the most efficient delivery method to customer
- Efficient cost management in less used infrastructure
- Improve mean time to resolution (MTTR)