

CI/CD

Making life easier for Everyone

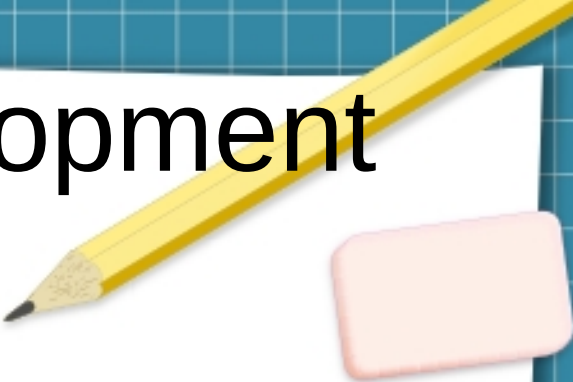
Benefits of CI/CD to achieve build and deploy automation
within our company's products

What's Continuous Integration(CI)



- Briefly explained, CI is the practice of merging all developers' working copies to a shared mainline several times a day.
- Some common CI-related phases might include:
 - Compile
 - Unit Test
 - Static Analysis
 - Dependency vulnerability testing
 - Storing artifact

What's Continuous Development (CD)



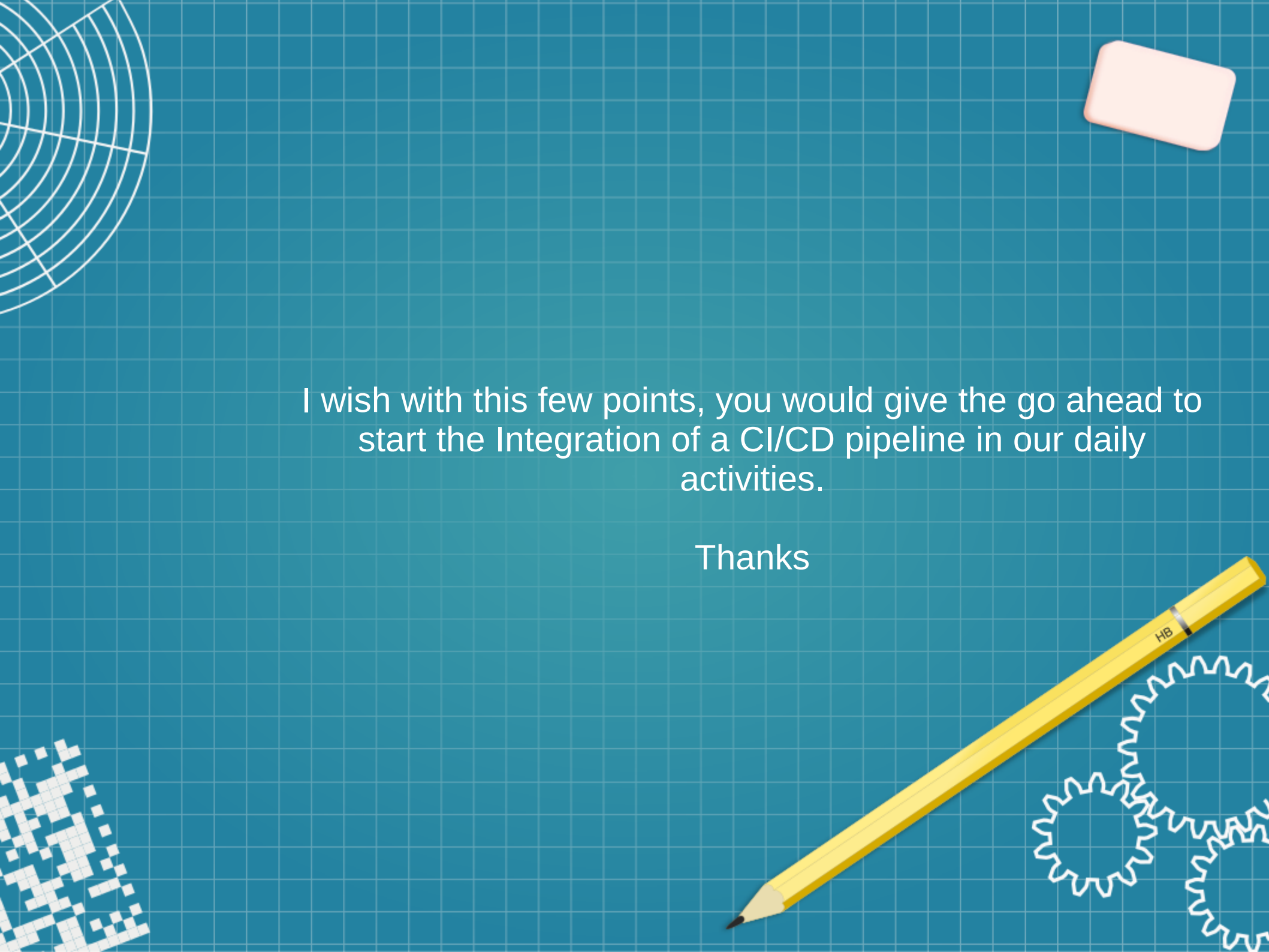
- CD is a software engineering approach in which the value is delivered frequently through automated deployments
- Some common CI-related phases might include:
 - Creating and configuring Infrastructure
 - Promoting to Production
 - Smoke Testing
 - Rollbacks in case of any failure

Benefits of CI/CD



- So what are the Benefits?

- 1) **Less developer time on issues from new developer code:** It helps reduce time spent on solving issues which in turn reduces cost.
- 2) **Prevent embarrassing or costly security holes:** Due to how it detect errors before being merged, it helps avoid costly mistakes which avoids unnecessary cost also.
- 3) **New value-generating features released more quickly:** Since little time is spent solving unwanted issues, it creates more time for new features to be created hence creating Increased Revenue.
- 4) **Quick undo to return production to working state:** When error are detected, it rollback the pushed codes so it doesn't affect the existing working system. This protects Revenue of our company.



I wish with this few points, you would give the go ahead to start the Integration of a CI/CD pipeline in our daily activities.

Thanks