




Why

CI / CD ?

Continuous Integration

- ◆ Detects errors as quickly as possible
- ◆ Fix while fresh in your mind
- ◆ Reduces integration problems
- ◆ Smaller problems are easier to digest
- ◆ Don't compound problems
- ◆ Allows teams to develop faster, with more confidence



Benefits of Continuous Integration and Continuous Delivery

1. Smaller Code Changes.
2. Fault Isolations
3. Faster Mean Time To Resolution (MTTR)
4. More Test Reliability
5. Faster Release Rate
6. Smaller Backlog
7. Customer Satisfaction
8. Increase Team Transparency and Accountability
9. Reduce Costs
10. Easy Maintenance and Updates



Conclusion

There are many tools that can help enable a smoother transition to a CI/CD process. Testing is a large part of that process because even if you are able to make your integrations and delivery faster, it would mean nothing if was done so without quality in mind. Also, the more steps of the CI/CD pipeline that can be automated, the faster quality releases can be accomplished.