


A blue parallelogram and a light green parallelogram are positioned in the top-left corner of the slide. The blue shape is partially behind the green one. Both shapes are tilted diagonally. The background of the entire slide is dark navy blue with faint, lighter blue diagonal stripes.

SELLING CI/CD



CI/CD - A better way to build and ship products to market

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



Continuous Integration

- The practice of merging all developers' working copies to a shared mainline several times a day. It's the process of "Making".
- Everything related to the code fits here, and it all culminates in the ultimate goal of CI: a high quality, deployable artifact!
- Some common CI-related phases might include:
 - Compile
 - Unit Test
 - Static Analysis
 - Dependency vulnerability testing
 - Store artifact



Continuous Deployment

- A software engineering approach in which the value is delivered frequently through automated deployments.
- Everything related to deploying the artifact autonomously fits here. It's the process of "Moving" the artifact from the shelf to the spotlight without human intervention.
- Some common CD-related phases might include:
 - Creating and configuring infrastructure
 - Promoting to production
 - Smoke Testing (aka Verify)
 - Rollbacks in case of any failure



Benefits of CI/CD

- The rationale of CI/CD is the famous saying: 'a penny saved is a penny earned', so here's a preview of the benefits of setting up a CI/CD pipeline

- Automate Infrastructure Creation:

This will help to avoid cost by providing less human error, which means faster deployments

- Faster and More Frequent Production Deployments:

This would help to increase revenue by releasing new value-generating features more quickly

- Automated Smoke Tests:

This would help protect revenue by reducing downtime from a deploy-related crash or a major bug



Benefits of CI/CD

- Detect Security Vulnerabilities:

This would help to avoid cost by preventing embarrassing or costly security holes.

- Deploy to Production Without Manual Checks:

This would help to increase revenue by making features take less time to market.

- Detect Security Vulnerabilities:

This would help to avoid cost by preventing embarrassing or costly security holes.