

The background is a gradient from dark purple at the top to dark blue at the bottom, speckled with small white dots. On the left side, there are several concentric circular patterns. One large circle has a scale with numbers from 140 to 260 in increments of 10. Other circles have arrows indicating a clockwise direction. The text is centered on the right side of the image.

FUNDAMENTALS AND BENEFITS OF CI/CD

1. 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:*

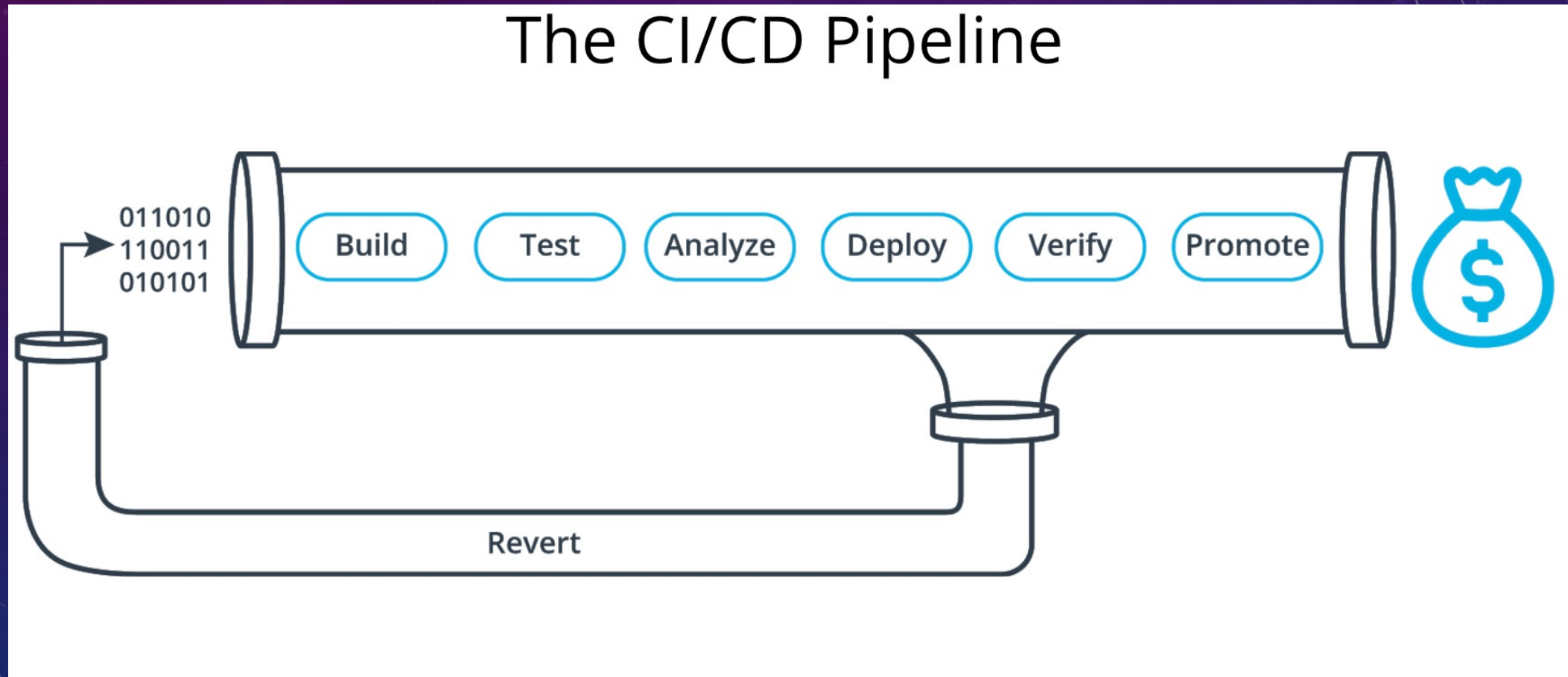
- Compile
- Unit Test
- Static Analysis
- Dependency vulnerability testing
- Store artifact

2. CONTINUOUS DEPLOYMENT

*A software engineering approach in which the value is delivered frequently through automated deployments. Everything related to deploying the artifact fits here. It's the process of "**Moving**" the artifact from the shelf to the spotlight. Some common CD-related phases might include:*

- Creating infrastructure
- Provisioning servers
- Copying files
- Promoting to production
- Smoke Testing (aka Verify)
- Rollbacks

3. THE CI/CD PIPELINE



4. BENEFITS OF CI/CD

- INCREASE REVENUE
- REDUCE CODE
- PROTECT REVENUE
- AVOID COST