

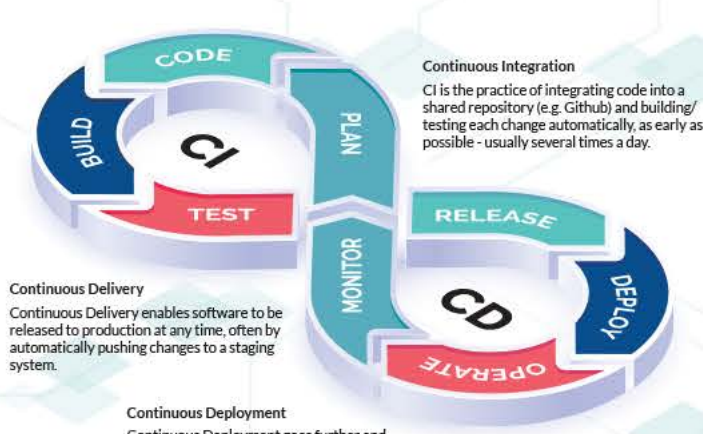
INFOGRAPHIC

A New Way for CI/CD

Standardized infrastructure, continuously tested

What is CI/CD?

Traditionally, development of applications involved siloed workloads with numerous teams working on numerous parts of development, only to merge them later to create a complete product. This often leads to "merge hell" and creates numerous difficulties as well as inefficiencies that CI/CD (continuous integration/continuous deployment) attempts to solve.



CI/CD KEY BENEFITS

- Promote Developers and IT Operations to work together, breaking silos
- Identify bottlenecks proactively to increase productivity
- Faster app/software delivery, improved innovation and recovery process

CI/CD Can Still Fall Short

While CI/CD offers tremendous benefits and is quickly becoming the standard operating procedure for many companies, it's not without its challenges. Aside from the common challenges of implementing a completely new system (training, upfront costs, fine tuning, etc.), even the most well implemented CI/CD pipelines can have shortcomings.



CI/CD - A NEW WAY

Old Way vs The Intelligent Way

Luckily, there's now a new way to CI/CD that addresses the key challenges for all steps of the process. Below is how the new, intelligent way of implementing CI/CD compares to the old way.

OLD WAY

Lengthy, Inconsistent Builds

Gen 1 Cloud Management Platform

- Developed for technical admins only (~20% of users)
- Lacks flexibility to orchestrate various steps
- Does not provide extensibility to add modern technologies easily

Scripts or Infrastructure as Code (IaC)

- Does not scale as fast when the target environments change
- Provides only limited environment visibility

Manual Machine Builds

- Time/labor intensive
- Requires extensive knowledge/expertise

INTELLIGENT WAY

Fast, Standardized Builds

CloudBolt Blueprints

- Deploy resources in minutes
- Easily define how the environment will be orchestrated and who can provision resources
- Give developers more visibility and control over their testing environments



Manual Testing



- Manual isolated test on the storage, networks, VM instances is a reactive process
- Constant patches and upgrades make isolating the process difficult
- Using change management and documentation or managing multiple tools has a steep learning curve

Continuous Infrastructure Testing



- Proactively test your Continuous Integration (CI) environment end-to-end through automation
- Automatically identify variance that would have stopped the CI process (password change, storage capacity available, etc.)
- Get notified hours or days in advance if something isn't ready

THE BOTTOM LINE

Old Way

WEEKS TO PROVISION

Builds take 30 minutes and the whole team is wasting time queuing



DAYS/WEEKS

VS

Intelligent Way

MINUTES TO PROVISION

Builds take minutes without wasted time.



MINUTES

MANUAL TESTING

Testing requires multiple tools and constant attention.



REACTIVE

VS

AUTOMATED TESTING

Testing is proactive and automatic.



PROACTIVE

DIFFICULT TO IMPLEMENT

Requires numerous tools and hours of configuration in order to be efficient and secure.



NUMEROUS TOOLS

VS

EASY TO IMPLEMENT AND RUN

Provides a single interface through which (via UI, API) pipelines are created, recreated and destroyed. CIT allows a secure and frictionless process.



SINGLE INTERFACE

See CloudBolt in Action!

REQUEST A DEMO

