

Agile and DevOps – from requirement management to release in production



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Agile Manifesto

We are uncovering better ways of developing software by doing it and helping others do it.
Through this work we have come to value:

Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

The 12 Principles behind the Agile Manifesto

Our highest priority is to satisfy the customer through **early and continuous delivery** of valuable software.

Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.

Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.

Business people and developers **must work together** daily throughout the project.

Build projects around motivated individuals. **Give them the environment** and support **they need**, and trust them to get the job done.

The most efficient and effective method of **conveying information** to and within a development team is face-to-face conversation.

Working software is the primary measure of progress.

Agile processes promote sustainable development. The sponsors, developers, and users should be able to **maintain a constant pace indefinitely**.

Continuous attention to technical excellence and good design enhances agility.

Simplicity--the art of **maximizing the amount of work not done**--is essential.

The best architectures, requirements, and designs emerge from **self-organizing** teams.

At regular intervals, the **team reflects** on how to become more effective, then tunes and adjusts its behavior accordingly.



How DevOps supports Agile?

Keys to integrate:

Quality

Automation

Collaboration

Governance

Monitoring



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How DevOps supports Agile?

Keys to integrate:

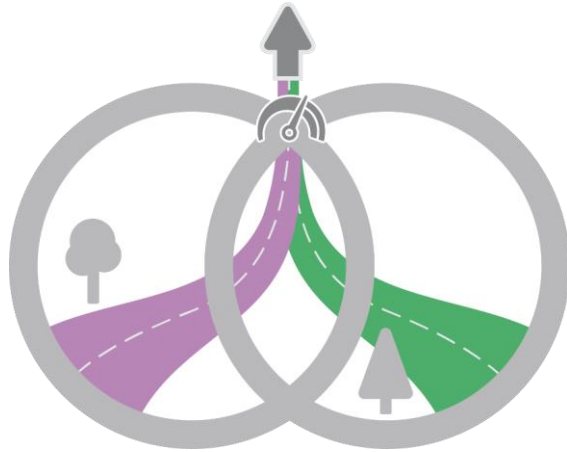
Quality

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Development

“Be more agile
and deliver faster”

IT Operations

“Reduce Change
Impact”

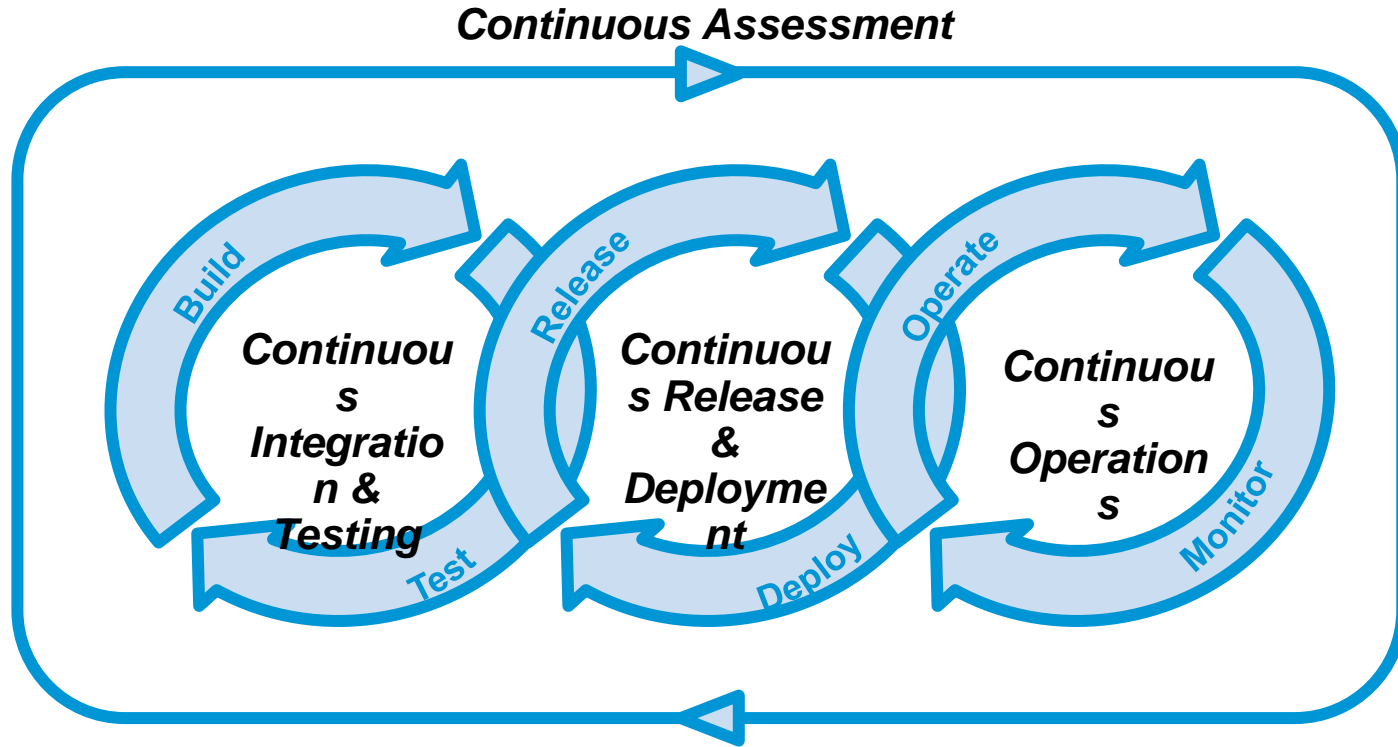
DevOps is a set of principles that allows development, quality assurance, and operations to meet customer needs.

This integrated team approach facilitates communication, collaboration, and integration to manage today’s rapidly changing business demands.

Key important points:

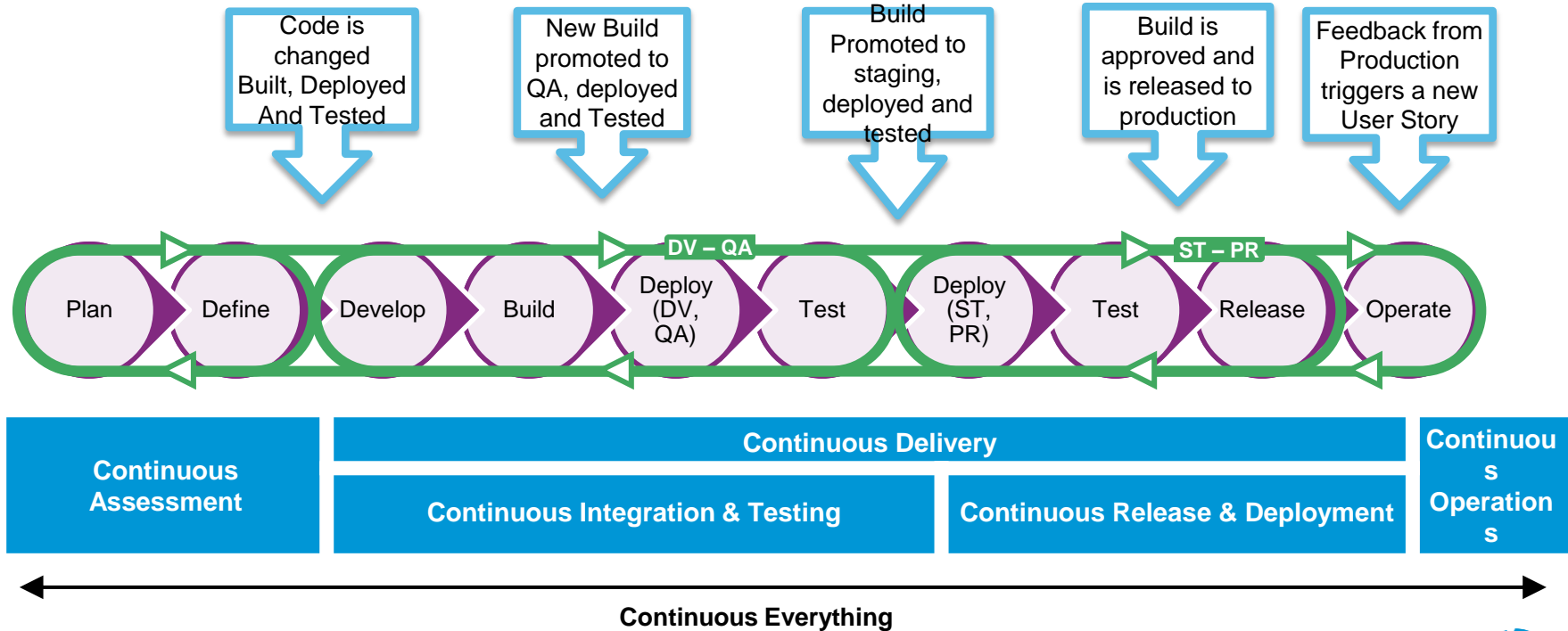
- Availability of information radiators to provide on-going data to the team
- Test Driven Development → Write the test, then write the code
- Shift Left Testing → Perform testing as earlier as possible (use service and network virtualisers to make it possible)
- Continuous integration → Check-in work daily

DevOps: Continuous Everything

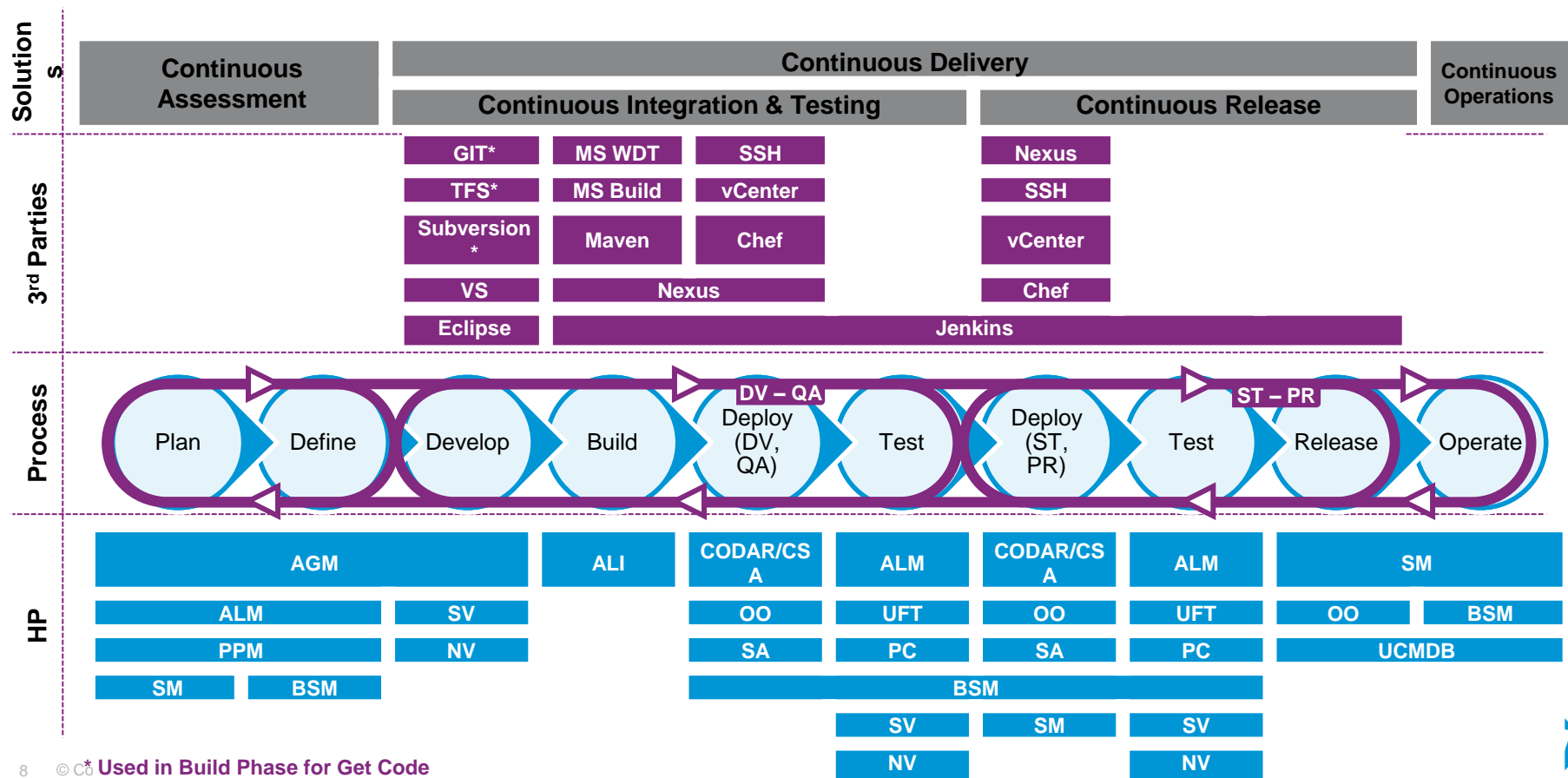


DevOps: Continuous Everything

All stages integrated and coordinated



HPSW PS DevOps Technology Matrix



Where to begin

The keys for your journey to continuous everything



“What are we trying to achieve?”

1 Assess your DevOps strategy



“How far along are we?”

2 Identify DevOps maturity of core dev and IT operations processes



“Where can we change?”

3 Implement standards and automation for continuous everything



“What will our results look like?”

4 Establish measures and metrics for success

Each customer is unique and require to have his specific own personalized journey

Thank you

