

CI at ITDev



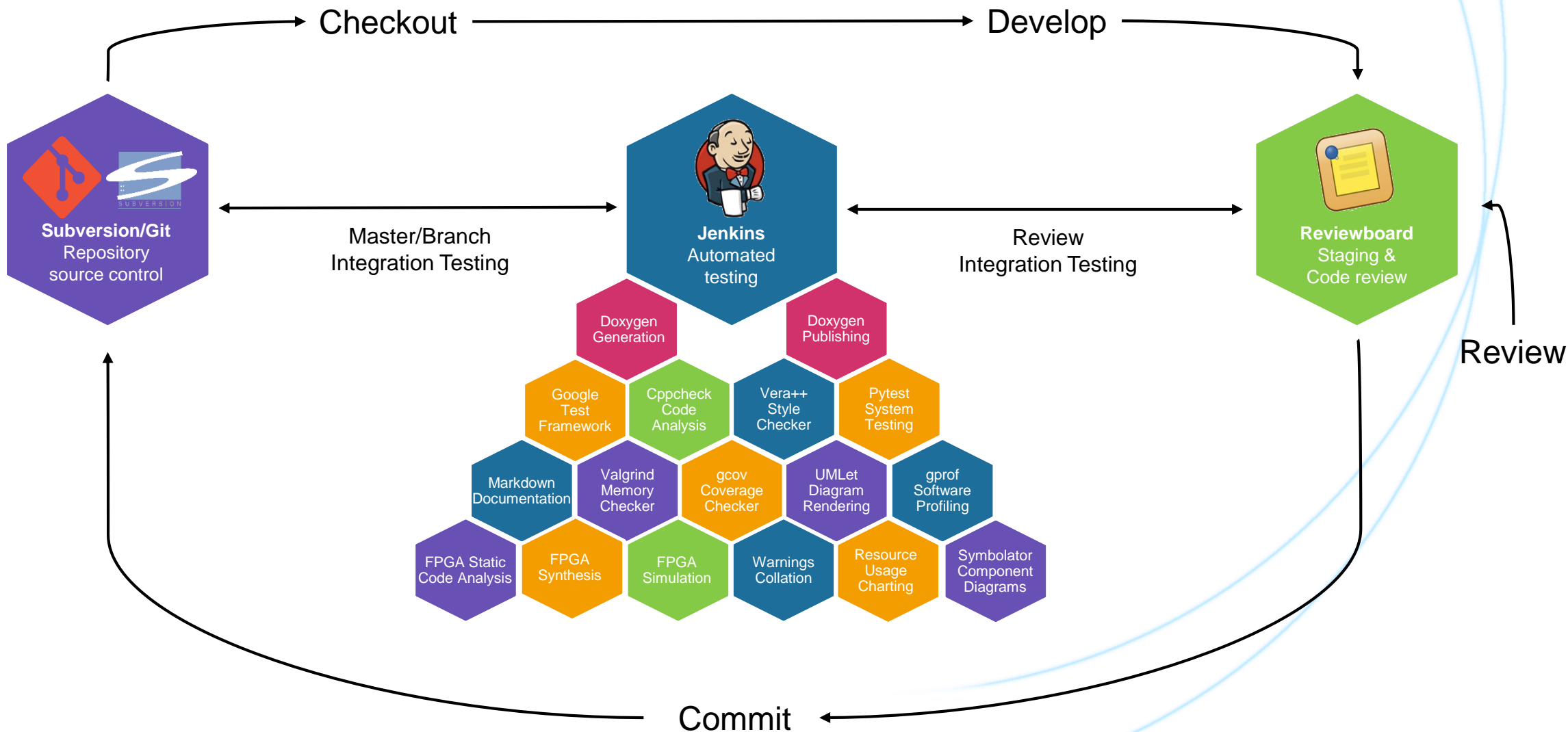
Accelerating CI Adoption



Accelerating CI Deployment



Accelerating CI Maintenance





Variations between projects



Use a common configuration across projects



Developers switching projects already have familiarity with the common CI environment



Complex CI environments can be hard to understand



Document the common CI environment



New developers have documentation to read to get them started



Installation and configuration of tools takes time



Automated machine creation with necessary tools and dependencies



A new template CI virtual machine can be created in a couple of hours






Creating Jenkins jobs can take time









Pre-made Job templates



Jobs only need final tweaks and enabling

-  GUI based Jenkins job configurations are slow to modify
-  Migrate to pipeline jobs
-  Updates from other projects can simply be patched in

-  CI job configuration and product code separated
-  Move Job configurations to sit alongside product code in SCM
-  CI is maintained at the same time as product code

-  Large pipelines become unmanageable
-  Split out to individual modules for each stage
-  Jobs can import modules required

Combining the adoption, deployment and maintenance gives us *Accelerate CI*

- Automation of CI VM creation
- Isolated CI environment per project
- Templated job pipelines and modular stages
- Fully documented workflows
- Everything under version control

Recently rolled out to a client

- Wanted to duplicate our CI environment

Available as a service

- Built on what we've developed over many years
- Customised for each client's needs

