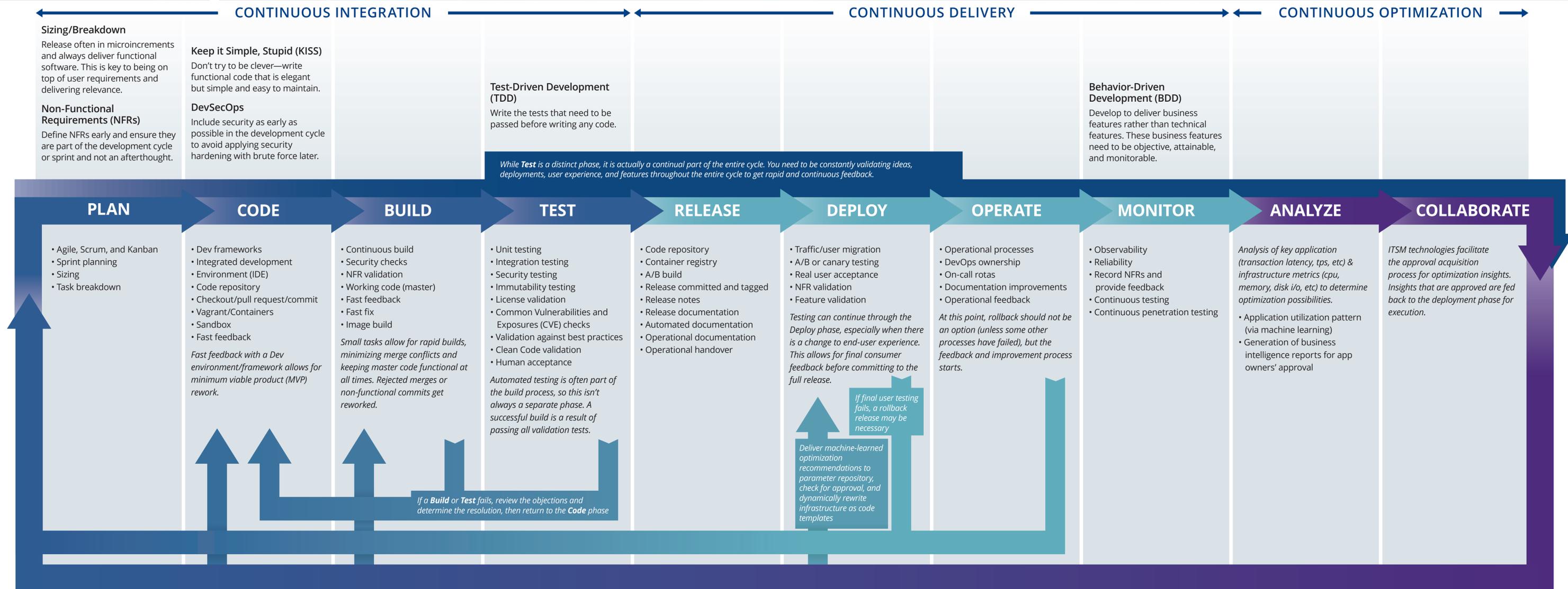


THE CI/CD FRAMEWORK

The arrival of modern technologies like containers and the emergence of architectures like *Continuous Integration and Continuous Delivery* (CI/CD) have made the practice of software development increasingly complex—and overwhelming. There is no best practice guide, no one size fits all, and good looks different for everyone.

The framework below endeavors to demystify these complexities and create an accepted, best-of-breed lifecycle that provides a solid foundation, around which you can build your organization's plan—and achieve your goals.



SCRUM & AGILE asana, Planview LeanKit, servicenow, Jira, Trello	CONTAINERS Vagrant, docker, PrivatePacker	BUILD PIPELINES Travis CI, GO, Jenkins, circleci, GitLab, Bamboo	DEVOPS TOOLS CloudBees, PIPELINES, docker, Jenkins	CODE REPOSITORIES GitHub, Amazon S3	KEY MANAGEMENT Vault, Red Hat Ansible	SECURITY Falco, TUF, NewVector, Clair, Black Duck, Anchore, Sysdig	MONITORING Dynatrace, AppDynamics, OpenTracing, Prometheus, Splunk, New Relic, OpenMetrics, Splunk	OPTIMIZATION Densify	CHANGE MANAGEMENT & ITSM PagerDuty, matters, Jira Service Desk, servicenow, zendesk, chervell
FRAMEWORKS React, Angular, Laravel, GWT, Ember, Spring, Symfony, Rails	INTEGRATED DEVELOPMENT ENVIRONMENTS (IDES) Zend, Emacs, Visual Studio, Selenium, Eclipse	TESTING JS Hint, ESLint, Sonarqube, Airbrake.io	DEPLOYMENT AUTOMATION Jenkins, Consul, Helm, Bamboo	CONTAINER REGISTRIES Harbor, Red Hat OpenShift, Docker Hub, Amazon ECR, Azure Container Registry, Google Cloud Container Registry	DEPLOYMENT & CONFIGURATION MANAGEMENT BOSH, Puppet, Chef, Red Hat Ansible, SaltStack, Terraform, Packer	ORCHESTRATION Nomad, Cloudify, Digital.ai	KUBERNETES ORCHESTRATION Kubernetes, Amazon EKS, VMware Tanzu, AWS, Rancher, Red Hat OpenShift, OKE		
SOURCE CONTROL GitHub, Bitbucket, GitLab		SECURITY VALIDATION Aqua, Sysdig, PRISMA		PARAMETER REPOSITORIES AWS Parameter Store, Azure Key Vault, Google Secret Manager	OVERLAY/SERVICE MESH Istio, Envoy, NGINX, AVI				