

# Module 4 Glossary

Estimated reading time: 6 minutes

Term	Definition	Where the term is introduced
<b>Application Repository</b>	The application repository stores the source code, which the CI pipeline pulls for build and testing operations.	Components of DevOps Pipeline
<b>Argo CD</b>	Argo CD is a powerful open-source continuous delivery tool specifically designed for Kubernetes environments.	GitOps with ArgoCD
<b>CD Pipeline</b>	The CD pipeline mainly deploys the prepared artifacts into specific target environments. It ensures a smooth transition from development to production.	Components of DevOps Pipeline
<b>Change Request Tool</b>	A change request tool manages and tracks system changes. It integrates with the pipeline to ensure documented and validated changes before deployment.	Components of DevOps Pipeline
<b>CI Pipeline</b>	The CI pipeline validates, packages, and builds essential components, creating deployable artifacts like container images and helm charts. It ensures versioning and resource preparation.	Components of DevOps Pipeline
<b>Code Risk Analyzer</b>	The Code Risk Analyzer analyzes the code for potential risks, vulnerabilities, or code quality issues. It provides feedback and recommendations based on static code analysis.	Components of DevOps Pipeline
<b>Condition</b>	A condition is a set of rules or criteria determining when a particular task or step should be executed within a pipeline. Some common examples include branch-based conditions, environment-specific conditions, and error-handling conditions.	CI/CD with OpenShift Pipelines
<b>Continuous Compliance Pipeline</b>	This pipeline ensures that organizations maintain security and compliance standards throughout the deployment lifecycle of their applications and infrastructure.	Components of DevOps Pipeline
<b>DevOps Insights</b>	DevOps Insights collects data from the CI pipeline, generating reports to identify bottlenecks and areas for improvement.	Components of DevOps Pipeline
<b>DevOps Pipeline</b>	A DevOps pipeline is a workflow that automates software delivery. It is a series of interconnected steps that enable efficient and consistent execution of tasks such as building, testing, deploying, and releasing software.	Components of DevOps Pipeline
<b>Evidence Component</b>	An evidence component stores artifacts and documentation generated during pipeline execution for traceability and auditing.	Components of DevOps Pipeline
<b>GitOps</b>	It is an operational framework that utilizes the best practices of DevOps, which are used for application development.	Introduction to GitOps
<b>Inventory Component</b>	The inventory component tracks deployed applications, dependencies, and infrastructure configurations, ensuring consistency and control over software deployments.	Components of DevOps Pipeline
<b>Key Protect</b>	Key Protect securely stores cryptographic keys and sensitive information, providing secure access during deployment.	Components of DevOps Pipeline
<b>OpenShift Pipelines</b>	OpenShift Pipelines, provided by Red Hat OpenShift, is a cloud-native solution for continuous integration and continuous delivery (CI/CD). It relies on Kubernetes objects to automate deployments across various platforms.	CI/CD with OpenShift Pipelines
<b>PipelineRun</b>	A PipelineRun is a resource that represents the execution of a specific pipeline instance. It defines the runtime configuration and parameters for running a pipeline in OpenShift Pipelines.	CI/CD with OpenShift Pipelines
<b>Resource</b>	A resource represents an input or output artifact that is used by tasks within a pipeline. Resources in OpenShift Pipelines can include source code repositories, images, configuration files, secrets, or other artifacts.	CI/CD with OpenShift Pipelines
<b>Secrets Manager</b>	A secrets manager securely stores sensitive information and integrates it with the CI pipeline to provide authorized access during build and deployment.	Components of DevOps Pipeline
<b>Security and Compliance Center</b>	The security and compliance center enforces policies, conducting security scans, vulnerability assessments, and compliance checks.	Components of DevOps Pipeline
<b>Slack Integration</b>	Slack integration enables efficient communication by sending notifications and reports to the development team.	Components of DevOps Pipeline
<b>SonarQube</b>	SonarQube, a code quality management platform, performs static code analysis, measures code coverage, and assesses maintainability.	Components of DevOps Pipeline
<b>TaskRun</b>	A TaskRun is a resource representing the execution of a specific task instance within a pipeline. It is created based on a Task resource, which defines the steps and configuration for a particular task.	CI/CD with OpenShift Pipelines
<b>Tekton</b>	This abstraction allows developers and operators to define and configure pipelines using higher-level constructs that are easier to understand and work with.	CI/CD with OpenShift Pipelines

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