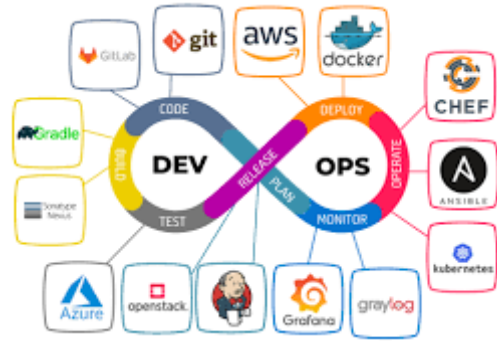


DevOps Tools In IDC

IDC hosts a comprehensive set of DevOps tools to support modern software development and delivery practices. These tools enable automation, collaboration, quality assurance, containerized deployments, and centralized monitoring across the application lifecycle.



Benefits of using the DevOps tools across different stages of the DevOps lifecycle

Source Code Management Tool



Git – used to manage and version control application source code and enable team collaboration.

Containerization Docker



Used to package applications into containers for portability, consistency, and ease of deployment.

Container Image Management



DISTRIBUTION Private Docker Registry – Used to secure storage and management of container images

Continuous Integration & Continuous Deployment (CI/CD)

Jenkins – used to automate build, test, and deployment processes, ensuring faster and reliable application delivery.



Code Quality & Analysis



SonarQube – Used to analyze source code to identify bugs, vulnerabilities, and maintain coding standards.



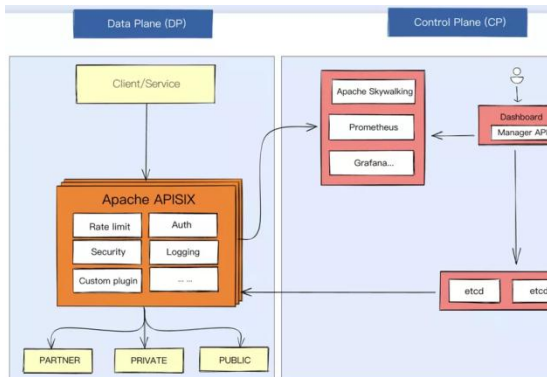
kubernetes Container

Orchestration

Kubernetes – Used to manage containerized applications at scale, ensuring high availability and efficient resource usage.

API Gateway

Centralized service that acts as a single entry point for all client requests to backend applications and microservices.



Monitoring & Logging

Rancher – Used to provide visibility into application performance, system health, and logs for troubleshooting and analysis.

