10 MOST CRITICAL DEVOPS TOOLS

Tool	What is this tool about?	When to use this tool?
1. Git	A distributed version control system that allows teams to track changes to code and collaborate on projects.	Whenever you are working on a software development project, Git is the best tool to use for version control. It is also useful for managing other types of content, such as configuration files and documentation.
2. Docker	A containerization platform that allows you to package applications and their dependencies into a single unit that can be run on any machine.	Docker is a great tool for developing and deploying applications in a cloud-native environment. It can also be used to create isolated environments for testing and development.
3. Jenkins	A continuous integration and continuous delivery (CI/CD) tool that automates the build, test, and deployment process.	Jenkins is a popular CI/CD tool that can be used to automate any type of software development workflow. It is especially useful for teams that are using Git and Docker.
4. Ansible	A configuration management tool that allows you to automate the provisioning and management of infrastructure.	Ansible is a great tool for automating the setup and configuration of servers, cloud resources, and other infrastructure. It is also useful for performing tasks such as deploying applications and managing security updates.
5. Prometheus	A monitoring and alerting system that collects and analyzes metrics from applications and infrastructure.	Prometheus is a popular monitoring and alerting tool for cloud-native environments. It can be used to collect metrics from a variety of sources, including Docker containers, Kubernetes clusters, and Prometheus exporters.
6. Grafana	A data visualization tool that allows you to create dashboards and charts to visualize metrics from Prometheus and other sources.	Grafana is a popular data visualization tool for DevOps teams. It can be used to create dashboards and charts to track the performance of applications and infrastructure, as well as to identify and troubleshoot problems.
7. Terraform	A cloud infrastructure as code (IaC) tool that allows you to automate the provisioning and management of cloud resources.	Terraform is a popular IaC tool for managing cloud resources on AWS, Azure, and GCP. It can be used to automate the creation, configuration, and destruction of cloud resources.
8. Kubernetes	A container orchestration platform that allows you to deploy and manage containerized applications at scale.	Kubernetes is a popular container orchestration platform for cloud-native applications. It can be used to deploy and manage large clusters of Docker containers.
9. Nagios	A monitoring and alerting system that can be used to monitor a wide variety of systems and services.	Nagios is a popular monitoring and alerting tool for both on-premises and cloud environments. It can be used to monitor servers, networks, applications, and other services.
10. Splunk	A data logging and analytics platform that can be used to collect and analyze data from a variety of sources.	Splunk is a powerful data logging and analytics platform that can be used for a variety of DevOps purposes, such as monitoring application performance, troubleshooting problems, and performing security audits.