

DevOps Tool Topics

Tool	Homepage	Use	Relevant sites
GitHub	github.com	Code sharing, project management, basis for CI/CD	https://guides.github.com/activities/hello-world/
GitHub Actions	Github.com	Continuous integration	https://docs.github.com/en/actions/guides/setting-up-continuous-integration-using-workflow-templates
Jenkins	https://www.jenkins.io/	Building, deploying & automating	https://www.jenkins.io/doc/
Ansible	Ansible.com	IT automation engine from Red Hat	https://www.ansible.com/overview/how-ansible-works
Kubernetes	https://kubernetes.io/	Container orchestration	https://kubernetes.io/docs/tutorials/kubernetes-basics/
Nagios	https://www.nagios.org/	Network monitoring, continuous monitoring	https://www.guru99.com/nagios-tutorial.html
Docker	https://www.docker.com/	Container infrastructure, creation and monitoring	https://www.docker.com/101-tutorial
Docker Compose	https://docs.docker.com/compose/	Configure docker services using YAML	https://www.tutorialspoint.com/docker/docker_compose.htm
Docker Swarm (mode)	https://docs.docker.com/engine/swarm/key-concepts/	Managing a cluster of docker engines called a swarm	https://www.sumologic.com/glossary/docker-swarm https://docs.docker.com/engine/swarm/
Gradle	https://gradle.org/	build automation tool	https://docs.gradle.org/current/userguide/what_is_gradle.html
Maven	https://maven.apache.org/	Software project management and	https://maven.apache.org/guides/getting-started/maven-in-five-minutes.html

		comprehension tool – part of apache	
Puppet	https://puppet.com/	Automates delivery and operation of software, both configuration management and deployment	https://puppet.com/resources/ebook/tools-for-learning-puppet
Selenium	https://www.selenium.dev/	Automates web browsers and testing of them	https://www.guru99.com/selenium-tutorial.html
Chef	https://www.chef.io/	Continuously growing CI/CD tool distributed configuration management written in Ruby	https://www.tutorialspoint.com/chef/index.htm
Gerrit	https://www.gerritcodereview.com/	Works with git to resolve developer code conflict via code reviews	https://www.tutorialspoint.com/gerrit/index.htm
Sonarqube	https://www.sonarqube.org/	Continuous inspection of code quality and code security using static analysis of code	https://www.swtestacademy.com/sonarqube-tutorial/
Redmine	https://www.redmine.org/	Software project management application, manages team communication and collects history	https://www.softwaretestinghelp.com/redmine-tutorial/
snyk	https://snyk.io/	Security for DevOps	https://support.snyk.io/hc/en-us/articles/360003812458-Getting-started-with-the-CLI
JIRA	https://www.atlassian.com/software/jira	Bug tracking, issue tracking, project management	https://www.guru99.com/jira-tutorial-a-complete-guide-for-beginners.html