

DevOps Tools

1. **Cloud Computing Platforms** - Fundamentally accelerates the access to compute resources to facilitate faster software development and improved application scalability
 - [Amazon Web Services \(AWS\)](#)
 - [Pivotal Cloud Foundry \(PCF\)](#)
 - [Google Cloud Platform \(GCP\)](#)
 - [Microsoft Azure](#)
 - [Rackspace](#)
 - [OpenStack \(Red Hat\)](#)
2. **Virtualization Platforms** - Uses software to abstract hardware and make it possible to run multiple applications at the same for more efficient use of compute resources.
 - VMware
 - KVM
 - Xen
 - VirtualBox
 - Vagrant
 - QEMU
3. **Containerization** - Wraps software in a complete filesystem that contains everything it needs to run to enable automated deployments and more reliable software.
 - Docker
 - Rkt
 - LXC
4. **Linux OS Installation** - Performs unattended operating system installation and configuration.
 - Kickstart
 - Cobbler
 - Fai
5. **Test and Build Systems** - Facilitates continuous integration and continuous delivery by automating repeatable jobs as part of the software development process.
 - Solano Labs
 - Jenkins
 - Gradle
6. **Configuration Management and Infrastructure as Code** - Allows teams to declare and automate system configuration for better application manageability and IT productivity.
 - Puppet
 - Chef
 - Ansible
 - HashiCorp Terraform
 - AWS CloudFormation
7. **Application Deployment** - Automates the process of making a new version of an application available on one or more web servers.
 - Capistrano
8. **Monitoring, Alerting, and Trending** - Allows digital teams to measure the impact of frequent release cycles across complex, dynamic IT environments.
 - New Relic
 - [PagerDuty](#)
 - VictorOps
 - Sensu
 - [xMatters](#)
 - [Blue Medora](#)
9. **Logging** - Provides an intuitive interface for analyzing machine-generated data for easier application-issue detection and resolution.
 - PaperTrail
 - Logstash
 - Loggly

- Logentries
- Splunk
- [Sumo Logic](#)

10. **Process Supervisors** - Eases the management of operating system services.

- Monit
- runit
- Supervisor
- God
- Blue Pill
- Upstart
- system
- Capistrano

11. **Security** - Helps you keep your applications safe from threats even as you release faster and adopt new technologies.

- Snorby Threat Stack
- Snort
- Veracode
- Sqreen
- Sonatype
- [Evident.io](#)

12. **Orchestration** - Software systems that facilitate the automated management, scaling, discovery, and/or deployment of container-based applications or workloads.

- Kubernetes
- Apache Mesos, DC/OS
- HashiCorp Atlas
- Docker Swarm
- AWS Elastic Container Service

13. **Collaboration and Ticketing** - Allows diverse DevOps teams to break down organizational silos through better, more transparent communication.

- Slack
- HipChat
- JIRA
- ServiceNow