STEPS TO BECOME "DEVOPS" ENGINEER

An operating system (OS) is a program that allows you to interact with the computer -- all of the software and hardware on your computer.

Prerequisites

Operating system (os):

1. Linux
2. Unix
3. windows

THREE TYPES OF CLOUD PLATFORMS:

- The three leading cloud computing vendors, AWS, Microsoft Azure and Google Cloud, each have their own strengths and weaknesses that make them ideal for different use cases.

1. Amazon web services   (2006)
2. Microsoft azure   (2010)
3. G00gle cloud platform   (2011)

SDLC AND AGILE METHOD

 The waterfall model is a sequential design process in which progress is seen as flowing steadily downwards (like a waterfall) through the phases of Conception, Initiation, Analysis, Design, Construction, Testing, Production/Implementation and Maintenance.

Agile Feature Cycle by ChromeMedia Inc.
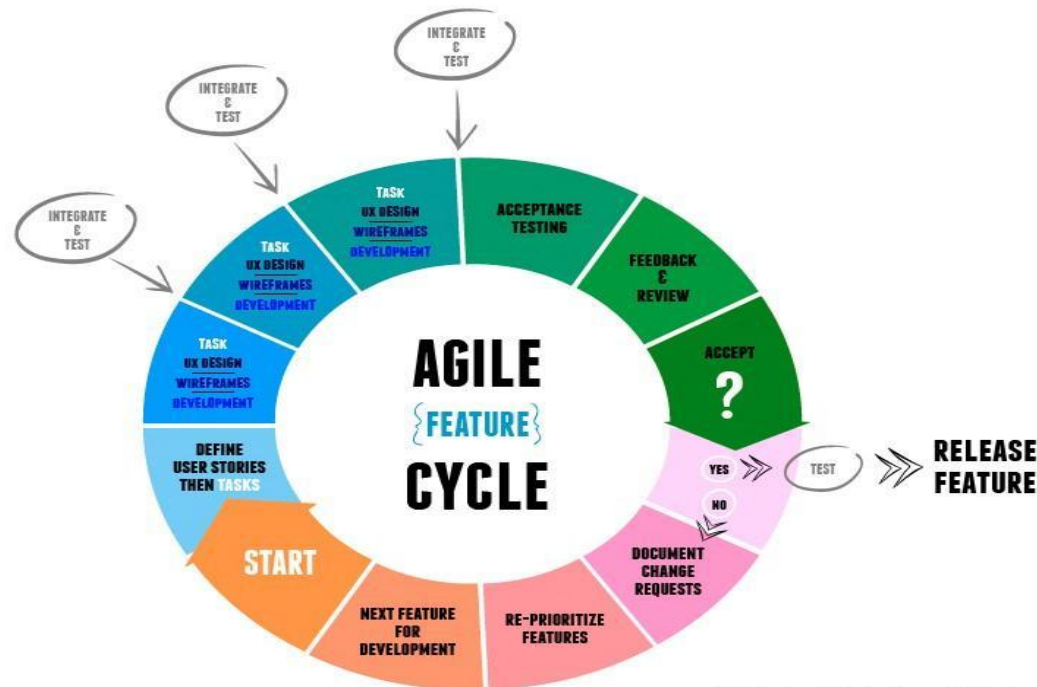
DEVOPS

DevOps (development and operations) is an enterprise software development phrase used to mean a type of agile relationship between development and IT operations. The goal of DevOps is to change and improve the relationship by advocating better communication and collaboration between these two business units.
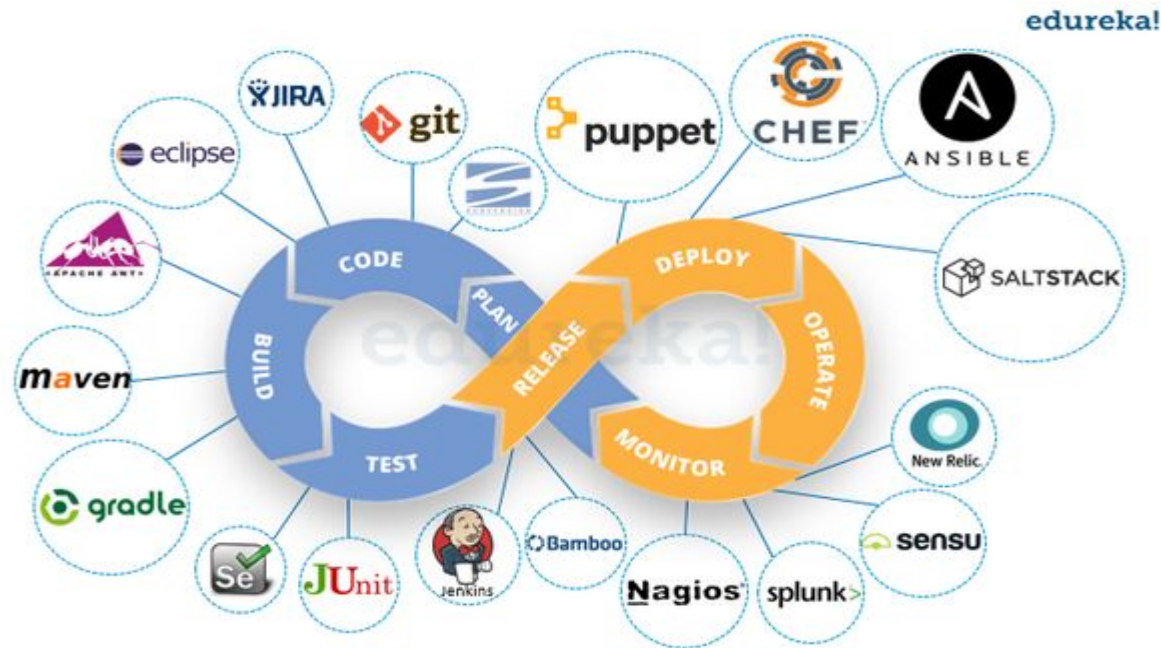
Tools which we cover

GIT & GITHUB   : source code management tool .

MAVEN   : Project build tool.

SONARQUBE   : code quality tool.

NEXUS   : Binary repository manager

JENKINS   : CI & CD

DOCKER & VAGRANT: container tool for deploying

PUPPET, CHEF, & ANSIBLE: configuration management tool

NAGIOS : monitoring and alerting services for servers.

PERIODIC TABLE OF DEVOPS TOOLS (V2)

EMBED DOWNLOAD ADD

Legend:
- Os — Open Source
- Fr — Free
- Fm — Freemium
- Pd — Paid
- En — Enterprise

- SCM
- CI
- Deployment
- Cloud / IaaS / PaaS
- BI / Monitoring

- Database Mgmt
- Repo Mgmt
- Config / Provisioning
- Release Mgmt
- Logging

- Build
- Testing
- Containerization
- Collaboration
- Security

#	Sym	Name
1 (Fm)	Gh	Github
2 (Fm)	Aws	AmazonWeb Services
3 (Os)	Gt	Git
4 (Pd)	Dm	DBmaestro
5 (En)	Ch	Chef
6 (En)	Pu	Puppet
7 (Os)	An	Ansible
8 (En)	Sl	Salt
9 (Os)	Dk	Docker
10 (Pd)	Az	Azure
11 (Fm)	Bb	Bitbucket
12 (Os)	Lb	Liquibase
13 (Os)	Ot	Otto
14 (En)	Bl	BladeLogic
15 (Os)	Va	Vagrant
16 (Fm)	Tf	Terraform
17 (Os)	Rk	rkt
18	Gc	Google Cloud Platform
19 (Os)	Gl	GitLab
20 (En)	Rg	Redgate
21 (Os)	Mv	Maven
22 (Os)	Gr	Gradle
23 (Os)	At	ANT
24 (Os)	Fn	FitNesse
25 (Fr)	Se	Selenium
26 (Os)	Ga	Gatling
27 (Fr)	Dh	Docker Hub
28 (Os)	Jn	Jenkins
29 (Pd)	Ba	Bamboo
30 (Os)	Tr	Travis CI
31 (Pd)	Gd	Deployment Manager
32 (Os)	Sf	SmartFrog
33 (Os)	Cn	Consul
34 (Os)	Bc	Bcfg2
35 (Os)	Mo	Mesos
36 (En)	Rs	Rackspace
37 (Os)	Sv	Subversion
38 (En)	Dt	Datical
39 (Os)	Gt	Grunt
40 (Os)	Gp	Gulp
41 (Os)	Br	Broccoli
42 (Fr)	Cu	Cucumber
43 (Os)	Cj	Cucumber.js
44 (Fr)	Qu	Qunit
45 (Os)	Npm	npm
46 (Fm)	Cs	Codeship
47 (Pd)	Vs	Visual Studio
48 (En)	Cr	CircleCI
49 (Fr)	Cp	Capistrano
50 (Os)	Ju	JuJu
51 (Os)	Rd	Rundeck
52 (Os)	Cf	CFEngine
53 (Fr)	Ds	Swarm
54 (Os)	Op	OpenStack
55 (Os)	Hg	Mercurial
56 (En)	Dp	Delphix
57 (Fr)	Sb	sbt
58 (Os)	Mk	Make
59 (Os)	Ck	CMake
60 (Fr)	Ju	JUnit
61 (Fr)	Jm	JMeter
62 (Fr)	Tn	TestING
63 (Os)	Ay	Artifactory
64 (Fm)	Tc	TeamCity
65 (Os)	Sh	Shippable
66 (Os)	Cc	CruiseControl
67 (En)	Ry	RapidDeploy
68 (Fm)	Cy	CodeDeploy
69	Oc	Octopus Deploy
70 (En)	No	CA Nolio
71 (Os)	Kb	Kubernetes
72 (Fm)	Hr	Heroku
73 (Os)	Cw	ISPW
74 (Pd)	Id	Idera
75 (Os)	Msb	MSBuild
76 (Os)	Rk	Rake
77 (Fr)	Pk	Packer
78 (Os)	Mc	Mocha
79 (Os)	Xltv	XL TestView
80 (Os)	Jm	Jasmine
81 (Os)	Nx	Nexus
82 (Os)	Co	Continuum
83 (Fm)	Ca	Continua CI
84 (Pd)	So	Solano CI
85 (En)	Xld	XL Deploy
86 (Fm)	EB	ElectricBox
87 (En)	Dp	Deploybot
88 (Os)	Ud	UrbanCode Deploy
89 (Os)	Nm	Nomad
90 (En)	Os	OpenShift
91 (En)	Xlr	XL Release
92 (En)	Ur	UrbanCode Release
93 (En)	Bm	BMC Release Process
94 (En)	Hp	HP Codar
95 (En)	Au	Automic
96 (En)	Pl	Plutora Release
97 (En)	Sr	Serena Release
98 (Pd)	Tfs	Team Foundation
99 (Fm)	Tr	Trello
10 (Pd)	Jr	Jira
101 (Fm)	Rf	HipChat
102 (Fm)	Sl	Slack
103 (Fm)	Fd	Flowdock
104 (Pd)	Pv	Pivotal Tracker
105 (En)	Sn	ServiceNow
106 (Os)	Ki	Kibana
107 (Fm)	Nr	New Relic
108 (Os)	Ni	Nagios
109 (Os)	Zb	Zabbix
110 (En)	Dd	Datadog
111 (Os)	El	Elasticsearch
112 (Os)	Ss	StackState
113 (Os)	Sp	Splunk
114 (Fm)	Le	Logentries
115 (Fm)	Sl	Sumo Logic
116 (Os)	Ls	Logstash
117 (Os)	Gr	Graylog
118 (Os)	Sn	Snort
119 (Os)	Tr	Tripwire
120 (En)	Ff	Fortify

XebiaLabs — Deliver Faster

Follow @xebialabs

AMAZON WEB SERVICES

Amazon web services (AWS) is a comprehensive, evolving cloud computing platform provided by Amazon. It provides a mix of infrastructure as a service (IaaS), platform as a service (PaaS) and packaged software as a service (SaaS) offerings.

USE OF AWS: Amazon Web Services (**AWS**) is a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow.

AWS Role-based certifications