DevOps Crash Course



DevOps and VM

https://www.virtualbox.org/wiki/Downloads

http://isoredirect.centos.org/centos/7/isos/x86_64/

https://vitux.com/install-centos-with-virtualbox-on-windows/

https://linuxhint.com/install_centos8_virtualbox/

https://putty.org.ru/download.html

https://upcloud.com/community/tutorials/use-ssh-keys-

authentication/?utm_term=&utm_campaign=DSA&utm_source=adwords&utm_medium=ppc&hsa_acc=939 1663435&hsa_cam=7185608860&hsa_grp=81739862313&hsa_ad=391197952986&hsa_src=g&hsa_tgt=aud-877864361644:dsa-

460992423274&hsa_kw=&hsa_mt=b&hsa_net=adwords&hsa_ver=3&gclid=Cj0KCQiAgomBBhDXARIsAFNyUqOEyCMdm2Pc5a3QojGrDrUoOk3bSJRxe5Yn5MqCT4B13hJTBgsdJtoaAu2GEALw_wcB

About me!

Me!

- 33 years old
- Head of IT department in the past
- Like microelectronics
- 8+ years of admin experience

First steps:

- Experience in administration
- SS IT academy
- Working on time management
- A lot of reading
- A lot of time for experiments

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About me in IT academy

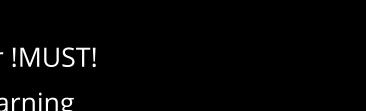
→LIFE-HACKs←

- Better if you have PC with a lot RAM & CORES
- Don't be afraid to PING
- Use whiteboard for planning
- Teachers also like sweets ;)
- If you wanna ask mentor prepare list with questions on the paper





- Don't be silent
- Be in time
- Networks, linux, bash, docker !MUST!
- Show enthusiasm and fast learning
- Sleep sometimes :)



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Real DevOps

It's DevOps!

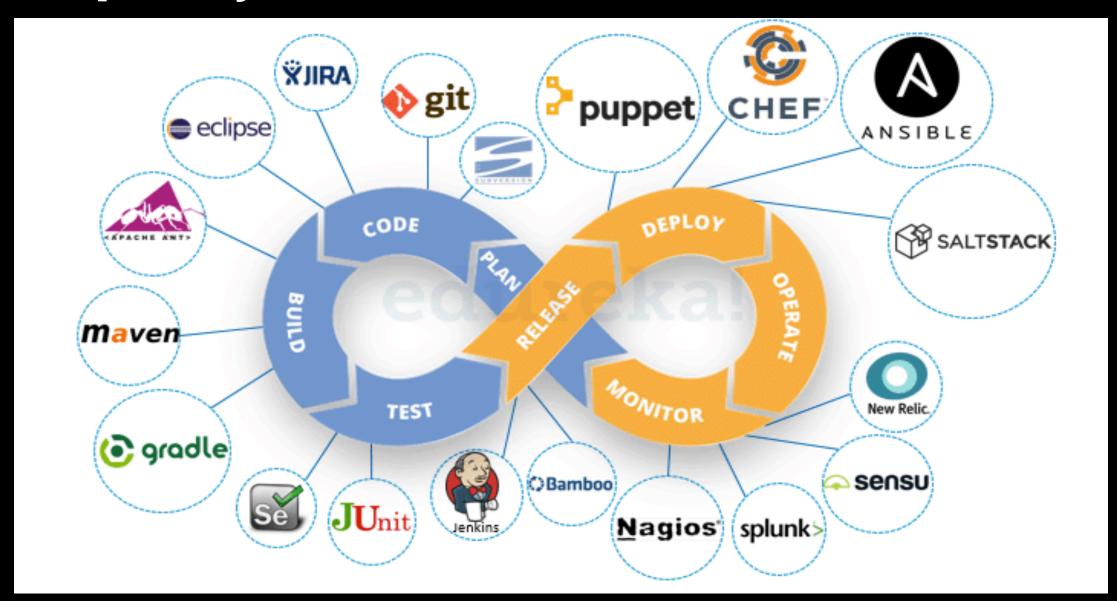


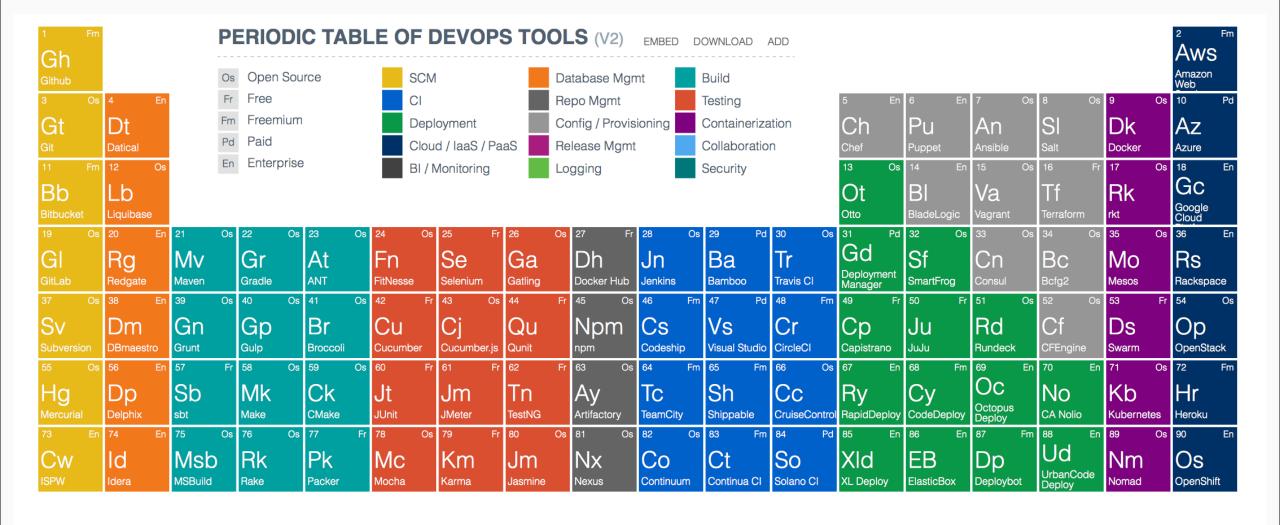
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Developers & Operations Holy-War STOP!



DevOps Project Tools







Follow @xebialabs
Publication Guidelines

91	En	92 En	93	En		95 En		97 En		99 F	m	100 Pd	10	1 Fm	102 Fm	103 Fm	104 Pd	105	En
Xlr		Ur	Bm		Ca	Au	Pl	Sr	Tfs	TI		Jr	l_{R}	₹f	SI	Fd	Pv	Sn	
XL Relea		UrbanCode Release	BMC Release		CA Release Automation	Automic	Plutora Release	Micro Focus Release	Team Foundation	Trello		Jira	Hip	pChat	Slack	Flowdock	Pivotal Tracker	Service	eNow
106	Os	107 Fm	108	En	109 Os	110 Os	111 E	1 112 Os	113 Fm	114 E	īn	115 Fm	110	6 Fm	117 Os	118 Os	119 Os	120	En
Ki		Nr	Dt		Ni	Zb	Dd	lει	Ad	Sp		Le	ls		Ls	Sn	Tw	Ff	
Kibana		New Relic	Dynatrace			Zabbix	Datadog	Elasticsearch		Splunk			Su	ımo Logic	Logstash		_	Fortify WebIn	spect

DevOps Lifecycle

DevOps Lifecycle can be broadly broken down into the below DevOps Stages:

- Continuous Development
- Continuous Integration
- Continuous Testing
- Continuous Monitoring
- Virtualization and Containerization

These stages are the building blocks to achieve DevOps as a whole.

DevOps and Unix

Try to BASh something

```
adduser <username>
passwd <username>
usermod -aG wheel <username>
cat /etc/passwd
visudo
       ## Allow root to run any commands anywhere
       root ALL=(ALL) ALL
       UserName ALL=(ALL) ALL
sudo ls —la /root
```

DevOps and Unix

Try to BASh something

#Create the crash user expected to be on machines ? sudo chmod 0440 /etc/sudoers.d/crash

sudo chown -R crash:crash /home/crash/.ssh/

#Disable SSH access for root sudo sed -i 's/#PermitRootLogin yes/PermitRootLogin no/g' \ /etc/ssh/sshd_config sudo systemctl restart sshd

ВСЕ БУДЕ ДОБРЕ – Automate all things