60004210210 Amartya Mishra COMPS-c31

	SE - Assignment 2
	60004210210
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	COMPS- (3)
(1)	Key Devops fundamentals Revolve amound
	the concept of continuous integration, delivery,
	automation 4 collaboration.
•	Devops us more practice than technology thus
	Devops us more practice than technology thus many tools are applicable to different stages of divelopmen
V	, , , ,
٥	A Number of ppersource Devops tools are present
	clubbing ones of ourned makes a Dev-ops tool chain
	Thus product dilivery more efficient.
o	Different stages of sw der:
3550.50	Collaboration
2)	Planning
2160	Soura control
4)	Issue tracking
5)	config eration management
6)	continuous integration
(٦	Binary Repostory
8)	Monitoring
9)	Automated telting
ιo	Development
u)	Database.
	Companies vieauire skilled undividuals familian with
	such Dev ops tools.
٥	Faster Development: since, using these tools most
	of procus us auto mated
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(2)	Docker Architecture:
	Deil Achtechiole
	Docker cheat talks with Docker Daemon , July
	Killan. Kilai li diakilaika Domi
0	Docker client 4 Daimon connect via REST APT'S
	Over UNIX socket ou network interface.
1)	Docker client:
	when use Runs any command on Docker elser CLI
	a regress for waters it is the state.
	The following commands can be Run In CLI:
	Docker Build
	Docker pull
	docker Kun
2)	Docker host: It provide an environment to
- /	vuen the applications, It contains docker daemon
	images containers, Networks 4 Storage
3)	Docks Regulery: It contains image. Images may
	be publick (visible to all) or private (for only one org accus)
	Docks host Registery
	client Docker Daemon)
	Build, pull, containing images
	Run. Imiges
	NG N
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(2)	
رف	Containerization: us a method of packing, Running & distributing applications up containerized
	Environment 1001 applications un containorized
	The allowed tonbained Environment called a container.
	It allows usolation of application & its dependencies.
	Ensuring concustency y portability accross
	different computing Environments.
0	Docker u a popular plat form for containerigation.
0	It provides tools 4 API's for creating deploying
	4 managing containers. Docker containers package
	an application 4 its dependencies into standardized
	unit maker It Easy of to deploy if own
	applications on any system that supports docker
0	Docker unes layered file system whom Each layer
	supresents the change to file system.
0	Docker also provides Dockerfiles making it easy to manage
	container
N	
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