

Experiment 1.

AIM: To understand Der Ops: Perinciples, practices, Der Ops Engineer Role and Responsibility. What is Devops a formal many son all all the of billion profit mount how of Derops is a collaborative apperoach where teams work together to build and deliver secure software efficiently. It Combines software development (dev) and operations (ops) to deside how to acceptate desivery forwigh automations collaborations, Fast feedback and iterative improvement. Devops is based on Agile methodology and lean Methodology ensuring efficiency, couldborothon and better softwarp the Montalogue wells forming on achieven Price o applican Develop and test in productive - like environments. Deploy builds frequently and some some Continously varidate operational quality but graphers ordered to Confinuous Plan Development Deploy Continuo Code Integration. Deployment Build Continuous Operare Testing Confinuous Courinous. 1 Monitoring Integration monitor.



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	\Rightarrow	Devops Pratices.
	1.00	convert religional : 190 vs 1 tooks asking on the
	1.	CONTINUOUS DEVELOPMENTI.
	, it	
		This is the phase that involves planning and coding,
,		versioning and managing build & the software
1-1	ra - ·	appareamon's functionality
	17.	J. Gittub, maren, etc.
-	1	2 16 12 1999 Line Cook Total magneson 1 100 148 2
	274.2	CONTINUOUS TESTING Storder of Lord April 1
	. 1	relien which furt feedbank and interwhere ingerteeld
17	1 1111	testing is menting automated tests confinuously
	A 15 4	and prepiatedry against the code base and the various
	. 3.	déproyment enviorenments. It is a software testing
		methodology which focuses on achieving continuous
13		quality & improvement, interest
		Eg: Bamboo, appium.
	8	Controlled and formers produced to grand of
	Tark .	CONTINUOUS INTEGRATION HOUSE
		Continuos Dura aviore and market plant pale of the
		Continuous integrations refers to the build and unit testing - stages of the coftware real-releases process. Every
		revision trainis consisted the
	· Septe	revteron tout is comitted triggers an automated build and - test. Eg: Jenking, circlect,
27., 3	2 3 6 to	(many)
	4	GOW CONTINUOUS DELIVERY AND DEPLOYEMENT
/	2 DONAL	Continuous derivery and deployment originate from continuous
1-	· Toy	integration a method to develop, build and test new -
		code mapiely with automation so that only code that is -



1	Tenown to be good becomes part of the rollware product
1	lenown to be good becomes part of the Roftware product
15	INFRASTRUCTURE MANAGEMENT:
	resolved following of the first of
	hoithout automation building do mastaining large scale moder
	IT systems, can be a resource - intensive undertaking and
, <u>,</u>	can lead to increased rick due to manual everor configuration
1	and resource management
	and 19619 01/10 directive has their
7	CONFIGURATION MANAGEMENT
j.	
- S	Intrastructure as code is the phoces of describing an
,	software vanine enviorment and nemoraling settings and
	parameters in simple fermal formal, that can be stored to your
.ara	version control system (ves) and versound on request.
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
7	- Anicroservice Architecture and all in ag aliver
	Level Maria Maria Maria
_	Doucer is a tool designed to make it easier to create, deproy
7	and sun application by wring containers. Container allows q
	deresper to package up an application with all the part 12
	needs. The developer is restansured fact the apprication
	will our on any other linus machine regardless & any
	customised setting that machine might have.
8	CLOUD BASED DEVOPS.
	Devops automation is becoming doud centric. Most public and
	perivale cond computing support.
is	: pui, amazon lambda, google cloud, france etc.
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	Thank of the standard is a second of the standard in the stand
#	Techniqual Responsibilities.
	Implement development terring & automation
۶.	Set up infragmicture and tooks
.3	Chad Drop On the VA - hills in
ц	Sug Fining and trouble eliman
5	CLI(i) non n/g
6	Security imprementation and monitoring
#	Management Responsibilities.
•	customer requirements and ART
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3	Stalle tool of the
4	The state of the s
5	Line and C Grad Line Land of the
6	TV (CHOSPEC)
7	Detine Development and a constant
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