

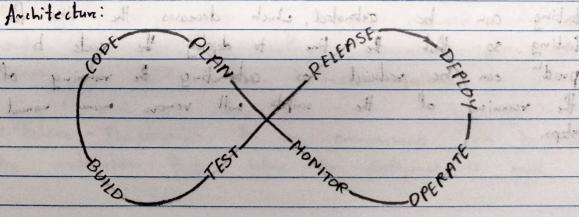
## Experiment 1

AIM: To understand devops, principles, practices and doops voles and responsibilities. howlings offerfrom . And with societies the uses

Theory istal comos mapour to private tools to

Definition: habouple 2; While It has not beg

- . Devops is the combination of two words, one is
- clarlopment and other is operations. It is a culture to promote
- the development & operations process collectively.
- . Devops helps to increase organisation speed to deliver applications and services. It also allows organisations to
  - serve their customers better & complete mon strongly in the market solved the course behind the differ toward
- · Derops can also be defined as an sequence of development and IT operations with better communication
- and collaboration.
- · Devops has become one of the most reduable business disciplines for enterprises or organisations. With the help of Derops, quality and speed of the app delivery has improved to a great extent.



in besting and noing the code to the cutput. The



no Alotiala

1. Build - Without Der Ops, the cost of the communition of the resources was evaluated based on the pre-defined individual usage with fixed hardware allocation. And with Der Ops, the usage of cloud, sharing of resources comes into the picture, and the build is dependent upon the usage of versioners or capacity:

1 Juneary 1

2. Code - Muny good practices such as Git enables

the code to be used, which ensures writing the

code for businesses, helps to tracke changes, getting

notified about the occasion behind the difference

in the actual and expected output, and if

necessary reverting to the original code developed. The code

can be appropriately arranged if files, filders, etc.

3. Test - The apph will be ready for product after testing. In the case of manual testing, it consumes more time in testing and moving the code to the output. The testing can be autmated, which decreases the time for lesting so that the time to deploy the code to produce can be reduced as curbonating the running of the running of the scripts will remove many manual steps.



- 4. Plan Der Opo use agile nethodology. to plan the derlopment. with the opn's and cley team is sync, it helps in organising. He work to plan accordingly to increase productivity.
  - 5. Monitor Continuous monitoring is used to identify any visk of filux. Also, it helps in trucking the system accurately so that the health of the cappit can be chaked. The monitoring becomes more confubble with services where the log date may get monitored through many 3rd prarty bols such as Splank.
  - 6. Deploy Many systems can support the scheduler for.

    outomated deployment. The cloud meant platform enables

    users to capture accurate insights and view the optimization scenario, analytics on trends by the deployment of dushboards.
  - 7. Operate Devolos changes the taditional approach of developing and testing separately. The teams operate in a collaborative way where both the teams actively posticipate throughout the service lifecycle. The opto team interacts with developers, and they come up with a mountaining plan which severs the IT and business requirement.
  - 4. Release De ployment to an environment can be done by automation. But when the deployment is made to



the producent, it is done by manual biggering. Many processes involved in release municipement commonly used to do the deployment in the pade and manually to lesson the impact on the customers.

- Principles:

  Collaboration

  Data baxed decision making.
  - . Pustmar certire. decision making
- Constant improvement of the part of policy
  - Responsibility throughout the likewoken de
  - · Automation.
  - Jailand de as la de learning re-opportunity: years years of 3

Admintages: Las depiere James de des de

- Devopi is an excellent approuch for quick development
- ond deployment of apph.

  The responds faster to the market changes to improve 7. Opente - Dende changes the budibered strong change change . F
  - Derops esculate business profit by demanding software deliny time and trensportations costs
  - . Der Ops. claus the description process, which gives clarify on product development and delivery.

    It improves customer experience & substraction.

    - . Derope simplifies collabo & place all hold in the cloud for customers to access. by authorities. But when the adaptant is made to



	Disadrantages				1.	1. 1.1					
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			47-15		pour lives	31					
	Conclusion	: Hena	we	han	known	who	eit derox	os is	and	it	
	achuntages	Q a	disadunt	ngis.		16 Kali	a same				