Build

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Wednesdai	Experiment - 1
	Asm: To understand Devone me
	Asm: To understand DevOps, principle portictes practices and DevOps holes and responsibilities
	Theory:
	Defination: Der Ops is the combination of two words,
	one is development and other is operations.
•	It is a culture to promote the development
	Den Ope helps to see collectively.
	To deliver applications and services.
13.1	in the market.
	DevOpe can also be diffined as a sequence of development and IT sources
	communication and could with better
U ,	terops can also be do long
met la	of development. With the help of Devope quality and speed
	Compression College by
	a greater extent.
	Architecture
	Code Plan Release Deploy
-	X

Monitor

Operate



Bild: Without Decope the cost of the consumption of the resources was evaluated based on pre defined individual usagge with fixed hardware allocation. And with Devops, the usage of cloud, shaving the resources comes into the picture and the build is independent upon users need, which is a mechanism to control the usage of resources are capacity.

Code: Many good practices such as git enables the code to be used which ensures writing the code for buisness, helps to track change getting notified about the reason behieved the difference in the actual and expected code output and

Test: The application will be ready for production after testing. In the case of manual tasting, it consumes more time in testing and moving the code to the output.

Plan: Devope use Agile methodology to plan the development with the operations and development team in sync, it helps in organising the work to plan accordingly to increase productivity.

Monitor :

Continuous monttoring is used to identify any risk of failure. Also it helps in tracking the system accurately so that the health of the application can be checked.



Many systems can support the scheduler for automated deployment. The cloud management platform enables were to capture accurate insight and view the optimization sunario, analytics on trends by the deployment of dashboards.

Operate: Devops changes the traditional approach of developing and testing seperately. The teams operate in collaborative way where both the teams actively participate throughout the services lifecycle.

Release: Deployment to an environment can be done by automation. But when the deployment is made to the production environment, it is done by manual triggering.

Prinaples:

- 1) Collaboratine
- 2) Data-based Decision making
- 3) Coustomer centric decision making
- as Constant improvement
- 5) Responsibility throughout the Lifecycle
- 6) Automation
- 7) Fallure as a learning appurturity.



F	duantages:
-1	Der Ops is an execultent approach for quick development
No.	nd deployment of applications. It responds faster to the market changes to improve
-	Dusnes growth
	Devope clears the descriptive process, which gives clarity on product development and delinery.
->	It improves constance experience & satisfaction
T	Devops simplifies collaboration and places all tools in the cloud for customers to access.
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->	Dev Ops professional or expert developers are less available
->	Developing with DevOps is so expensive Adopting new DevOps technology into the buisness industries is hard to manage in short time.
	short time.
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