

## Expessiment No. 1.

Aim: To understand Devops, parinciples, paractices and Devops and aresponsibilities.

Theoxy

Definition.

- ord other is operation. It is a culture to promote the development and operation procent acceptably.
- · Devops helps to incorpage objection speed to delivery applications and seawice it also allows object institute to seave their customers better and comprese more strongly in the market.
- and IT operations with better communication and collaboration.
- o revops has become one of the most valuable tusiness disciplines from enterprises on organisations with the respect of the application delivery has improved to great extent.

Asichi kertuare

Devops Asichitecture



Desild-without Devops, the cost of the consumption of the mesources was evaluated based on the preception defined individual usage with fixed hardwood allocation. And with perops the usage of cloud, shading of resources come int the picture, and the build is dependent upon the user's need, which is a mechanism to control the usage of cloud, shading of resources comes the usage of cloud, shading of resources comes into the picture, and the build is dependent upon into the picture, and the build is dependent upon the usage of resource or capady the usage of resource or capady

2) code - many good practices such as Crit enables the code to be used, which ensures working the code four buiness, helps to track changes agotting notified about the oregon behind the difference in the actual and the expected output, and if necessary severiting to the original code developed. The code can be appropriately arranged in files, tolders, etc. And they can be newed.

3) Test The application will be nearly four production often testing. In the case of manual testing, it consumes move time in testing and moving the cocle to the output. The testing can be automated, which decreases the time for testing so that the time to deploy the code top production can be suduced as automating the sunning of the scripts will remove many manual steps.

a) Plan- Perops we Aeile methodology to plan the development with the operations and development team in sync, it helps in organising the wach to plan accordingly to increase productivity



S) monitori- Continuous monitoring is used to identify any susk of jailure. Also, it helps in triacking the squeen accurately so that the realth of the application can be checked. The monitoring becomes more comfortable with services where the log data may get monitored thorough many third pastly tools such as splunk.

6) De play-many systems can supposit the schedule foot automated corpologment. The cloud management platform enables usens to capture accurate insights and view the optimization scenarios analytical on thence by the deployment of downboards:

1) operate - Devôps changes the toraditional apposition of developing and testing separately. The teams operate in a collaborative way where both the teams actively participate throughout the service lifecycle. The operation team interacts with developers, and they come up with a manitooing plan which serves the IT and business orequirements.

8) Release - Pepployment to an envisionment can be done by automation. But when the deployment is made to the production envisionment, it is done by manual touggesting many processes involved in ordered management commonly used to do the deployment in the production envisionment manually to lesson the impact on the customers.



Polinciples

- o Collabanation
- · Data-Based, Decision making
- customer- centage pecision making
- o (onstant Improvement.
- · Responsibility Thoroughout the liferagle
- o Automation
- ofailuble as a learning oppositunity.

Advortages.

o Devops is an excellent appoint four quick development

and deployment of applications.

oIt responds faster to the market changes to improve

business goowth. operops escalate business possifit by decoleasing sof twoose delivery time and toronsportation costs.

operops cleaves the desposiptive process, which gives cracity on pocoduct development and delinery.

ort impowers customer expensionce and satisfaction.

operops simplifies collobostation and places all books in

the cloud foor customers to greets. operops means collective responsibility, which leads to better team engagement and productivity

Disadvortages

o bevops professional or expent's developeous are less

available.

opereloping with perops is so expensive.

ofdopting new perops technology into the industries is mand

to manage in a shoot time.

otach of beiggs knowledge can be a problem in the continuous.



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	Conclusion: Hence, we	have known what	Dev ops	73	and
-	its advortages and	disadvontages.			
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		Charles (School)			
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