

EXPERIMENT NO. 1

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nois	Aim: To undoustand DevOps, principles, practices & Devops
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	Definition
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250	Devops is the combination of two words, one is
3	· Development & other is Operations. It is a culture &
)))))	propoto the development & operation, and in
5 is	Devops helps to increase organisation speed to deliver
	applications of sources.
10%	Devops can also be defined as sequence of development
10870)	and IT operations with better communication & course very
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911	business of suplines by enter pouses and organisation . soil
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	the help of Den Ope, quality & speed of application detreeny has improved.
	Architecture obologien offpa sen ego vad : 11019.1
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af the resources was evaluated based on the pre-defind individual usage with fixed handware allocation And with Devope the usage of cloud sharing of vesources comes into the picture.

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- 2. Code: many good practices such as Git enables the code to be used, which ensures writing the coole fox business neason behind the difference in the actual and expected output and if necessary reversing to original code.
 - 3. Test: The application will be ready for production after testing. Instre case of manual testing, it consume movie time in texting & moving the code to the output The festing can be automated, which decreases the to production.

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- 4. Plan: Desops use Agile methodology is to plant development with the operations & development down in sync. It helps in organising the work to plan accordingly.
- monitor Continuous monitoring is used to indentify any visk of failure. Also, it helps in tracking the system accurately so that the health of application can be checked the monitoring becomes more comfortable with some where the log date may get monitored through many



6. Deploy: - many systems can support the schedulor for automated deployment the cloud management platform enables users to capture a couragled insights and view the optimization scenario panelytics on triends by adeployment- 15 of worken about 7. Operate: Des Ops changes the traditional approach af developing and texting separately: The teams operate in a collaborative way where both the teams actively participate throughout the services. lifewer. It in rose whomen expended & sales (allien 8. Release: Deployment to an environment can be done by automation. But when the deployment is made to the production emissionment, it is done by manual sol estageringes dusques so la rosses para es lors Principlesing in or 27 290 20 veril porgoland · Collaboration sinil trade on apparent brade? Data Based, Decisio, a making, 1 3000 la so Customer-Centric Decision making in sommission Constant Improvement · Responsibility throughout the lifetyelpide in Failure as a beautieg Oppurbunity.



Deploy: mony eyetime con europe tragel for our conformated deployment the doud marages ent Deropairs an excellent approach for quite derelopment & deployment of applications ide anticipio It responds faster to the market thanges to improve business q routh ... Derops décalated business profêt try décreasing = 1000 freder delivery temeriles boo prigolasso, la Dellops cleans the descriptive process sichich gives davily on product development us promise It improves customer experience & satisfaction Release - Deployment to on ensistenment con biton by automation. But when the lorge palmarties and 16 to the production entrument, this done by manua · Devops professional or expents developers and less available · Developing with DevOps is so enpensive in it Adopting new Derops technology into the industries is hand to manage in a short time northernology. lack of Dev Ops knowledger can be a problem in the continuous integration of automation projects in Conclare Ingressencit Conclusion Hence stive home known what berops is. and its advantages & its advantages in minul raileure as a lecourista Oppurhaniel