hely is levops a major requirement in today's scenario? In a nut shell the DevOps model allows companies to create viable application and programmers within a much sharter time frame, thus accelerating the speed of innovation It is a major requirement be cause its a software development and operational of proach that enables juster developements of new products & easy maintainance of Existing deployments. Some impartant benefits of devops as a major requirement Increased effeciency · Jaster sæl Improved customer Exp Faster Roll Improved performante continuous improvement As it bring various departments such operations & more & units them in common objectives of achieving buisms terrigets In this approach the software is seen as a tocal to improve organizational efficiency and security by automating several pry prouss

DATE PAGE NO. Explain au bevops tocals in detail. an Excellent divops automation tool being adopted by increased number of software development teams, its effe essentially an open source c1/6 p juice that helps in automating the ciff stage; of delivery pipeline of and austomise appelin as per individual needs runs on linex, windows & Mac OS widely used across software industries git is an distributed SCM perops tool it allows you to easily track the progress of your development work, nehre you can saile différent versions of source co de and return to purious one as required * A free & open-source tool that supports most of the version Control features of check-in merging labely commit branches Nagios en of the most popular free & open-source en Ops monitoring tool Wagier allows you to monitar your in grastructer richt true So that identifying security threats, detection of outerges & ever or becomes

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8 Ansible: Itis primarly a design managem and organisation perops tool. It is worther in simple prog. language 7AML. It makes easier for Divops teams to scale for process of automation & speed up productivity It is ideal devops to of to manage Complex deployments & spira up the from of dislopment.

7 Kubrnetis ideal far large teams, this Devops tool is

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	built on what docher started in truffild of caintainarization it is a powerful tout that can group containers by logical
	that can group containing by look cal
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<i>→</i>	It can be deployed to multiply computers
	twongh up mate & distribution.
80	Extremely useful in the streaming comple
	twongh submated distribution. Extremely upful in the stranging comple. projects across large teams
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