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## STPM Experiment I

10 understand Dev Op, principles practices and Dev Ops values and responsibilities

Devops is a combination of two word, Development and Operations. It is a culture to promote the development and operation process collectively.

Helps increase the organizations peed to deliver applications and services. Also allows organization with the more strongly in the more strongly in the more let.

Devops can also be defined as a sequence of development and II operation, with better communication and collaboration.

Devops has become one of the most udue be business disciplines for enterprises or organization. With the help of Devops quality and speed of the application delivery has improved to a greater entert.

Code - Plan Research — Deploy

Build - Test Monitor — Operate



Bird Without dergs the cost of consumption of the resources was evaluated based on the predefined individual ways usage with fixed hardware allocation

Derops the usage of cloud sharing the resource, come into the picture and the built is independent upon us needs whichisa mechanism to control escures.

code
rlang good Practice such as Cit can enable the
code I to be used which ensure with writing the code
for business, helps to track change, getting as tities
about the reason behind the difference in Jactual
and expected wide.

Application will be read for production after testing.

In the ease of manual testing it consumer more time in testing and moving the code to the output The testing can be automated which decrease the time so that the time to deploy a de can be reduced

Monitor.
Continuous monitoring is used to identify any red of failure. Also it helps in tracking the system awardely so the



Advantage Dev Op is an excellent approach for quick development and reployment of applications Responds faster to the market change to improve business Escalate business profit by decreasing software delivery Disadvantages Devops professional or enpert developers one less available Developing with Devops is enpensive Adaptive of new tehnology is hard



DeployMany systems support the scheduler for automated
deployment the cloud management platform enables were to
capture accurate insights and view the optimization
senario analytics on trends by the deployment of
dainbut of
Devops charge the fraditional approach of developing
and testing seperately. The team, operate in a collaborative
way whose boths the teams actively participate
throughout the service lifecycle. The operation team
interacts with developers and they come up with
a monitoring plan which serves business, requirement,

Deployment to an environment can be done by automation But when deployment is made to production renvisorment, it is done by manual trijering. Many processes involved in release management commonly used to do the deployment.

Principle
Collaboration

Pata Based Decision Making

Customer Centriz Decision Making

Constant Improvement