Pratham Bohra THADOMAL SHAHANI T11-12 Experiment I Aim: To understand Devops, Principle, and devops rules & responsibility. Definition: It is a Combination of 2 words one is development and other is operation. It is the culture to promote development & operation - Devops helps to increase organisation speed to deliver application and sexuice. It also allows organisation to some their customer better and compete more strongly in market. - Devops un be défined as sequence et develo-- Devop has become one of most valuable buisness discipline for enterprise or organisation application delivery bas inproved to great Architecture:-Descops Architecture



1. Build-without doups, the cost of consumption of recovered was evaluated based on
prealified individual usage with fixed hardweallocation, and with devops, the usage with
fixed of cloud. Sharing of resource comes into
the picture, the build is dependent on upon
user's need which is a mechanism to control
usage.

enables come to to used which ensures a writing code for buisting helps to track the angers, get notified about remon behind differences in actual on the expected output to it beceiving reventing to original code developed. The code can be approximately arranged in file folders etc

3. Test - The app will be ready for production after testing. In case of minual testing it consumes more time in testing. The test of ing can be automated which decreases the time for testing. So time to deploy code can be reduced.

H'Plan - Donops use agile methodology to
plan the development with operation &
development team in sync it helps in organ Ising words to plan accordingly.

5' Monitor - Continuous Monitoring is used to identify any risks of fairure. Also it heips in tracking system accurately so health of app can be checked.



| | 6' Deploy- Many system can supposed the schedule |
|--|---|
| | Jox automoted deployment. The cloud |
| | management plattorm enable uses to |
| all the second s | capture accusated asights and view optimic |
| | sation seenanio, analytic of trend by |
| | dula most at dechborada |
| | dapleyment of dashboards |
| | 7' operate - Devops charges traditional approcich |
| Symposium annexis i muse e annon | of devoping in testing separetry. The teams |
| | operate in collabrative way where both teams |
| 3 | actively participal through source lifecycle |
| | The enverties reconstructed with developers |
| | The operation team interacts with developers |
| | & they come with monitoring plan. |
| | a. Die min Nahlminget his of envisionment can |
| 5 8 | 8. Relace - Deployment by an envisionment can |
| as media | be done by automation. But when debloyment |
| 2 | is made to production environment, it is |
| | done by manual traggering commonly used |
| | to the deployment is production environment |
| | nanually to leven the impact of customers |
| | |
| | Principies'- |
| | |
| 4.6,5000 | - (0110boxation |
| | - Data based decision making |
| | - Customer centric decision naking |
| | - constant improvement |
| | - Responsibility torsoughour lifecycle. |
| | |
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| 31.7 | |
|--------|--|
| A | duantages:- |
| | 3 |
| - | Derops is an excellent approach for quick |
| | development and deployment of application |
| | It response justen to market changes to |
| | improve buisness growth. |
| | Devops escalate buisness protet by decreosing |
| | sottware delivery tim |
| | Doubs clears descriptine process |
| | which gives clearity or product |
| | devolpment |
| | |
| | Disaduantages! - |
| | |
| | Devoks protessional experts are less available |
| | Douolping with H is expensive. |
| | Adopting new devote technology into |
| | industrice is hard to manage |
| | lots of devop knowledge can be a problem |
| | in continuous integration of automation |
| | project. |
| | |
| (| Conclusion |
| | lence, we have known what devops is a |
| | it advantage la disadvantages |
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| = 4 | |
| | |
| 70 | |