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o understand Devogs: principles, possties & Devogs Engeneer Robert Responsibilities

Derops is a collaborative affroach where teams words logether do level of deliver oscure osoftware efficiently. It combines osoftware build be delivery through development (dev) of operations (ops) to accelerate delivery through automotion, collaboration, fast feedback literature improvement automotion, collaboration, Dewops creates or culture of accountability Built or after methodology, Dewops creates or culture of accountability collaboration between oversporsibility for leasures outcomes

Core Pourciples of DerOps
- Develop & dost in production - like environments

- Denstap duildes frequently - Continuously ruledate operational quality

Key (outiles of Derio)?

1. Continuous Deployment

Continuous Deploy

2. Continuous Development
This is the phose that involves planning of codery secondary
f managery duildes of the software applications functionality
by: Grit, Gefful, Marcol.



3. Cortinuous desting is executing automated tests, continuously to continuous desting as executing automated tests, continuously to executing automated desting deployment choose it is a diffusive desting methodology which fecuses as achining continuous quality of improvement ey: Applian, Barboo

Gestimones Integration orefores de the build & west dest estages of the Software orelease praces every recusion that as commetted traggeres on automated duild & etest.

69: Terfores, Taawes CT

I Typeastructure Management
Without automation building & maintaing dange create modern without
automation IT system can be or oversource intersine
undertralaine & con deard to increased such due do marrial
ensem config I resources management as an automated
method der maintaine computer constent software in
known consistent attack.

6. Configuration Management
Infrastructure as a code as the practice of describing all softwar
ountine emisiarment 4 networking esthing & procamblers in
comple textual operand that confie estared in your version
control objected (VCS) of renserved as request. These test files
are collect manifests of are used by Denops doods to automatically
provision of configure devilor servers, teating, estaging of
produition environments
by the obstatouty



Mert mit denelapment & operations lame de plus & design.
Confusionation Key Kesparsileilites 1. Colleboration of Plannery R. Configuration Management!
Uses tooks like Puppet, chap an Ascilla to manage server
configuration & evenue consistery Maintais CZ/CD pipelines to ersure seamless build, est & deployment runnilland 3. lipelire Marayement: lest & deployment morphous. 4. Maritariry & dogsziry

Implement marijariry tools like frankreus 1 wayanus

cer explinite track exysten health & newsweement feafourance 6. Suffert & Torouble schooling
Ressford die incidents & sesolne production issues
promotly & identify most causes of fulliered implement
fires. 6. Documentation & Reporting Document oxystem conjugurations, deployment processes & toroubleshooting guides.



Devops Engricon Rule A Devops ergerser murayer a company i. e It injustantures i dividging development l'aperation, the principal qual as to improve the process & efficiery throughout the confunction development delegate. development diflegale.

Key occole Bridgery the gap between development, operation & 2A teams du obtenuer communication 2. Automation specialist; A Monate depetiture tooks clife desting, deployment of maritaring 3. Certinuous Integration of Certinuous Delivery (CI/CD): Desegis, implement 4 mountair CI/CD pipelures de enable 4. Tyrostructure as code:

Use tools like Terrajour, Anusle an claud formation

the define of production infrastructure thorough code.

5. Maritaring of Trustert Marayener applications performance of troubleshoot ussue as seed time. It was crowners that consider are resistent of downline is minimized. 6. Cloud & Typiousburtury Maringener Defloy, marage 4 aptimize applications as cloud flatforms defit AWS, Azure as georgle closed, also hardles curtaires archestration