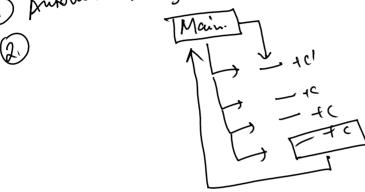
Continons Integrationin

1) putometic Tutegration of the code changes.



Key Component of CT'-

- 3 Notification O Version Control System (VCS)
- 6 Artifack Storage. 3) Build Server | CJ Tool
- Brild Antomated.
 - m Automated Testing.

() UCS!- Store all the code of Config. file (eg.gits)

2 Build Server CJ Tool Build & test processes eggienkin, Githul Alin

(3) Build Automation: Compile Code, run Script, packaging Arthuch

(9) Automated Testing :- Unity Tutequation of Static code Adysis

(5) Notification! Alest win email, slack, term. Suild/test stehrs.

By Motification! Alest wie evail, slack, team. Suild/test stehrs.
(5) Motification! Their well of Mexin Ashifactory) (6) Antifact Storye! - Store Suild ontfut (e.g. Mexin Ashifactory)
6 Antifact Storye! - Store
CI Workflowe Example!
@ Main/Jeahne branch.
2. Ct Tool get trigserred.
a Dill the latert code?
(i) Intall dependent
2) Run. (4) Exampled Automated Unit Integration tests
(4) Excluded Automated Unit Shilach
houseate & store Sula
6 Send Status Motification.
Type of Test (I!- Build Indivisual function. Build Indivisual function.
Type of Test Build Indivisual function. Duvit Test Check modules / Component Work to yether. Discontine Test Bagic end-to-end venification. Bagic end-to-end venification.
Dun't Test _ check modules / Component
Duvit leit _ check modernition. Discontina Test _ Bagic end-to-end venification. Bagic end-to-end venification. Smoke Test _ check code Quality, style, universalities Analysis
a smake the check the
(g) Steric Analysis
CT Bet Practicet
O Counit Anytime.
D Keep Suild time short
(2) T. L. Relvan (12)
1 rounder 4 Pull request.

(3.) Test Relvass 117) (9) Me feathe Granches & Pull request. (9) Me feathe Granches & Pull request. (10) Run build in clean, reproducible envisor. (10) Store & version build Artifact. (10) Store & version build Artifact. (11) Maistein CJ pipeline as Code (YAML/DSL)
Popular Cf 7001:- (1) Arme Perops (2) Jithuh Achion (3) Gittat Cf (4) Fravis of
Benefit of CF!- Detect the Bug Much early Reduced Integration Risk Reduced Integration Risk De melopment cycle will be guick. De melopment cycle will be guick. To code guality Improved
'On-brem'- (1) Location (2) Electricity, Cogistian (3) Physical overership of your How. (4) Team who will mainlain the server. (5) Full orowership of data. (6) Scalifity is a challenge.

cloud! 1) Rentig as per your weed. (2) Scalisitity is flexible (3) Paya you go. -4) Maintainne is taken one by cloud service provider Musiste. Sensitive Date -> On-prem. Insensitive | Stage | Mon. food - Cloud. AWS, Amre, GCP, Oracle, IRM, Aliberty GCP -> [Roject] -> [Subscript] Billing

