Introduction to DEVOPS and
GIT Foundations
- starts at 9:06pm
AGTENDA
1. Devops Mindset
2. 12 Factor Application
3. Foundation to Git
1. Understanding git
2. Installation
3. Basic commands
→ Devops Mindset
- ultral aspect
→ collaboration b/ w the developers
and operations team.
,
der team testing team ops team

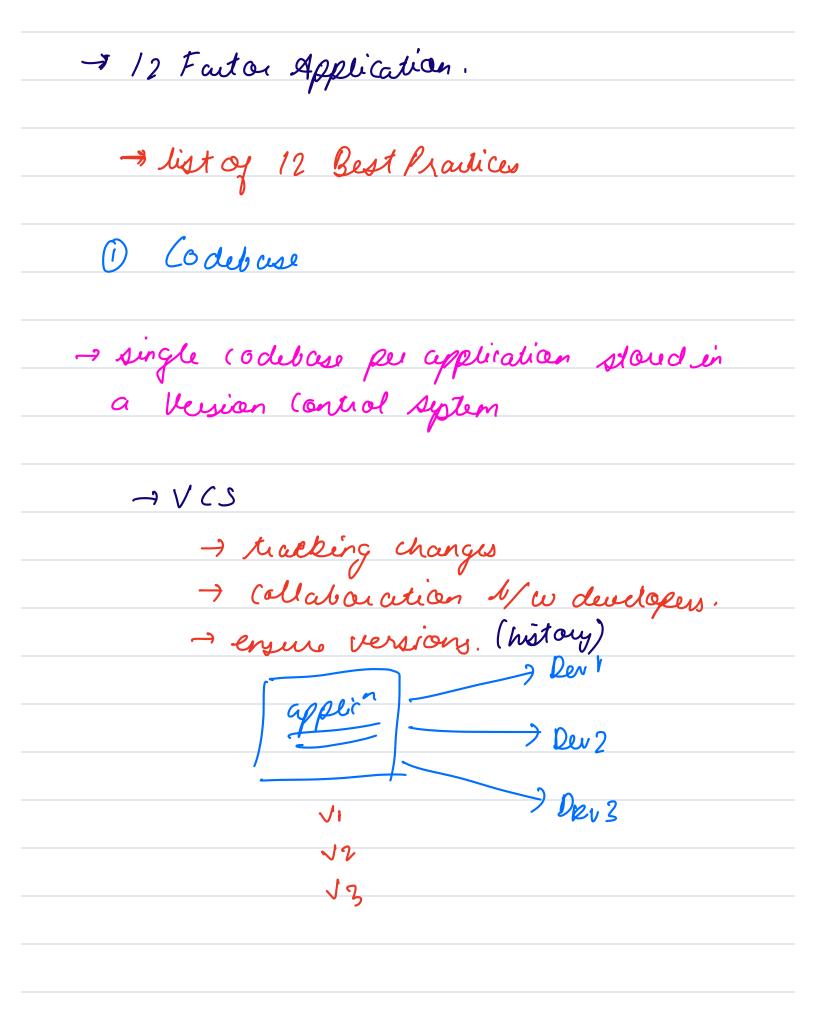
→ Product	deliver	time	 increased
_			

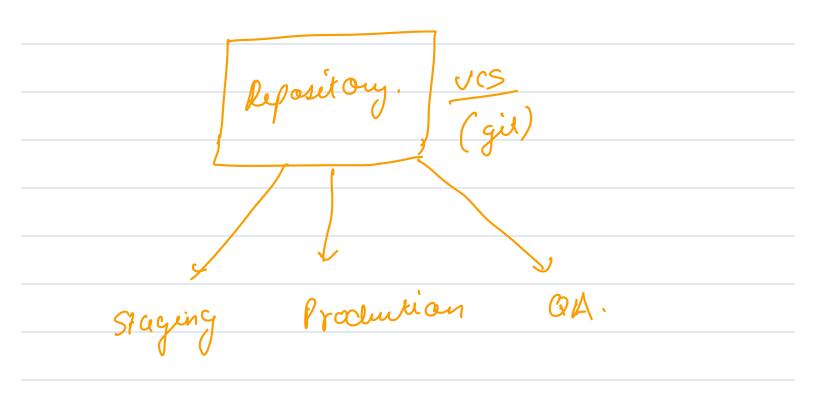
- I Shaving responsibilities
- join planning session
- frequent communication.

Key Principles.

- 1 dut com ation.
- 3) Monitoring and Logging. (4) Communication.

high quality highly scalable and easily maintainable





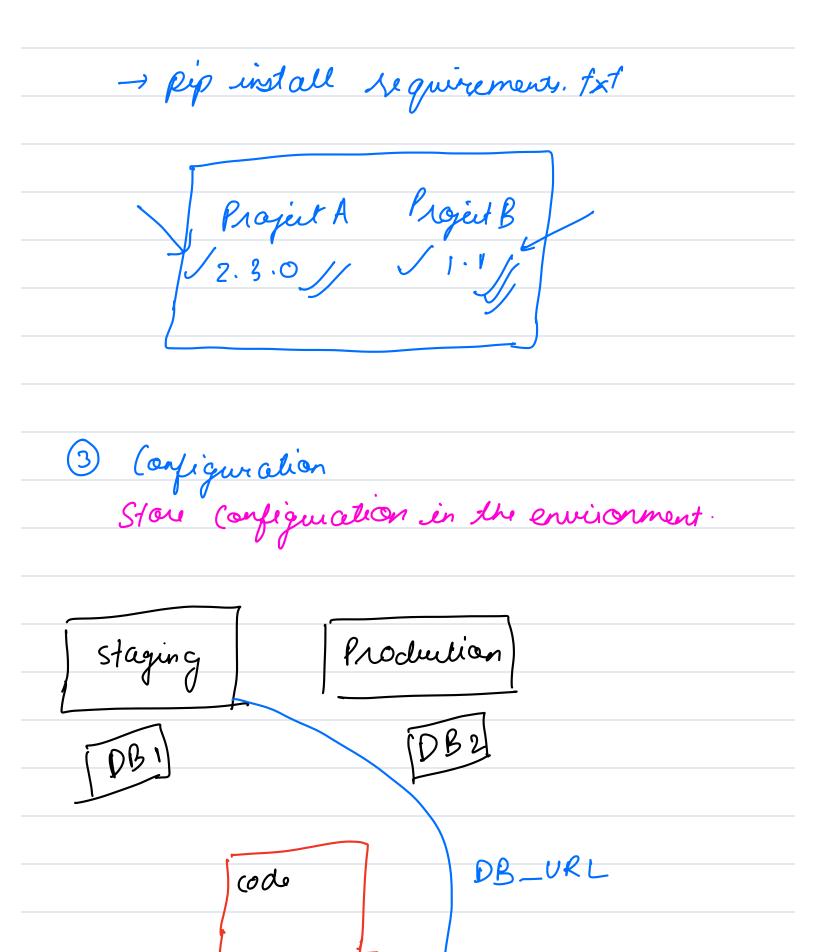
2 Dependencies

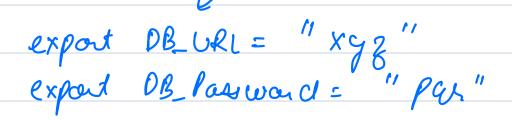
An application should explicitly dular and isolate its dependencies

dependency - third party packages a librarie.

requirements. txt

Flask = 2.3.0





(9) Bailing Services

Treat Bailing services às attached

Application) queues

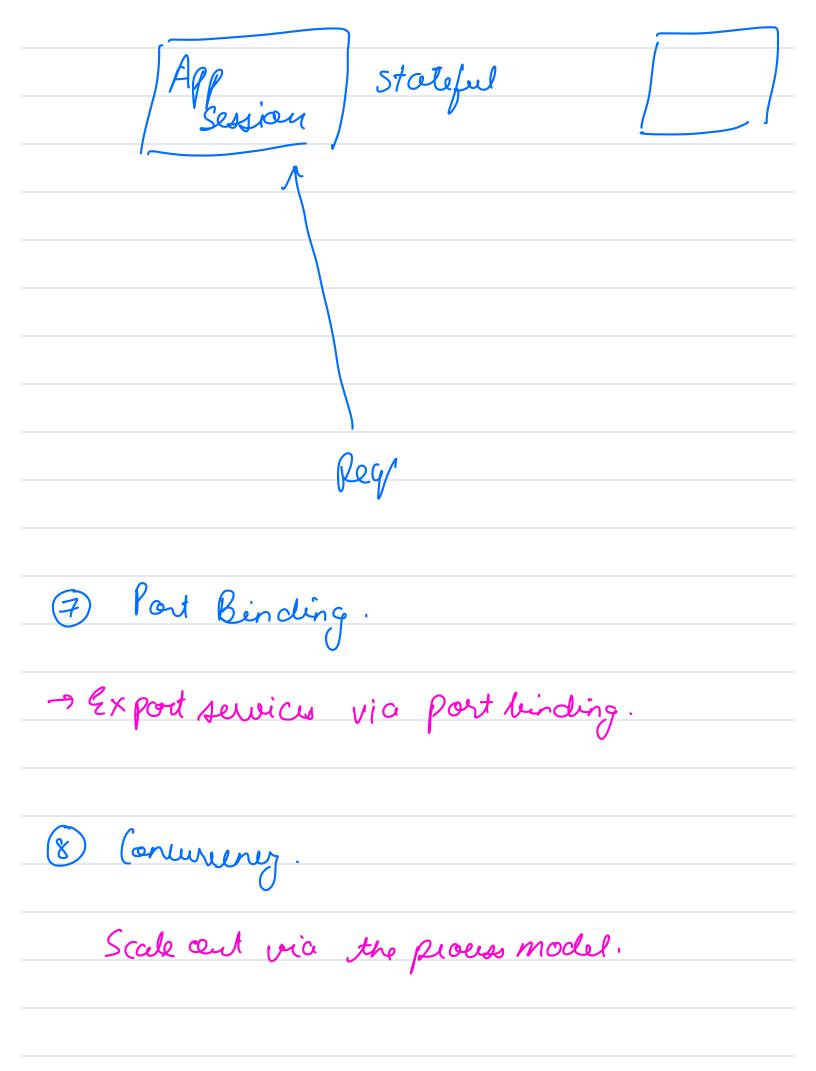
S3 (Starage)

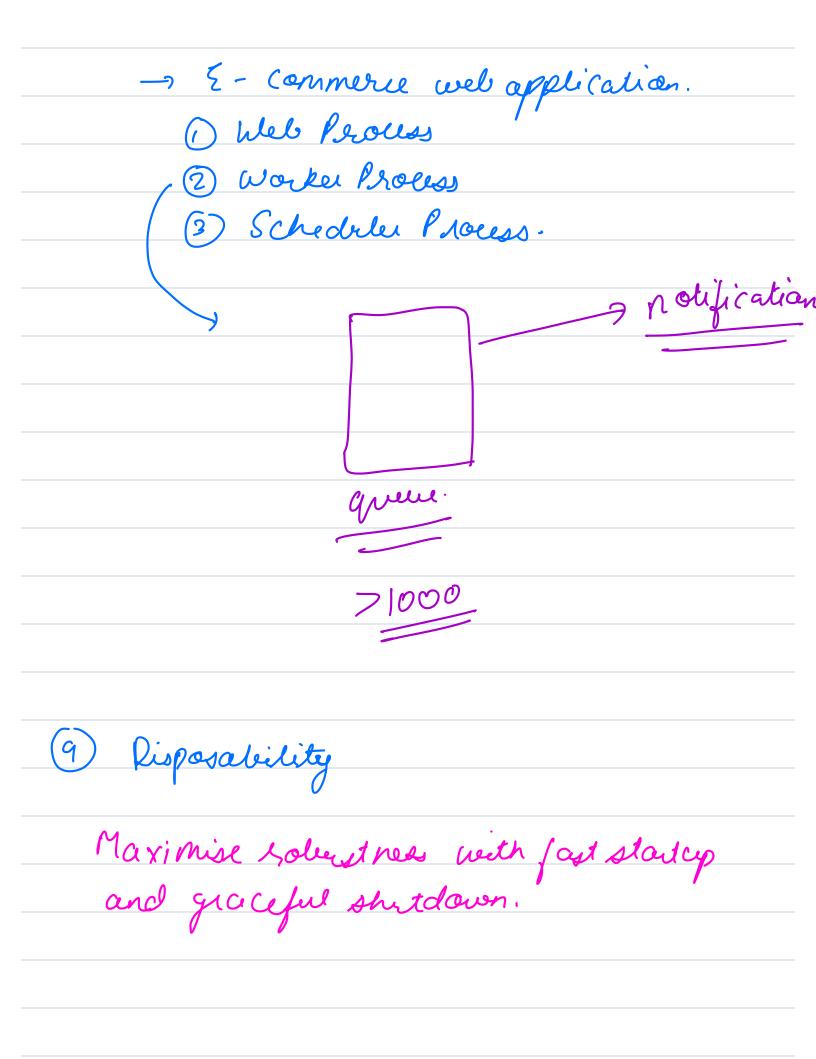
(5) Build Release Run.

Strictly separate build, telease and hun stages.

Build -> Cleating exentables.

Release -> Build + configuration. Run > Starting the application using Processes. Execute the appl as one or more stateless Persistent data > DB





(0)	0 10 1	Par k
	Der/ Prod	arity

Keep development, production and slaging environment as similar as possible.

Stuging Production.

CPU
RAM-8GB RAM-8GB

DB

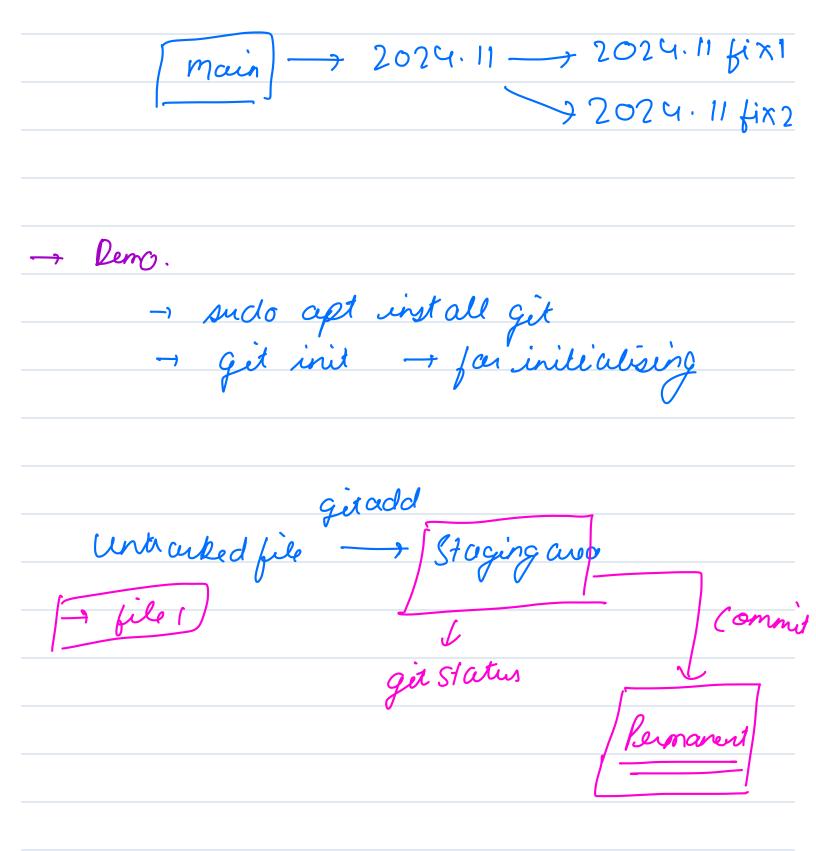
(11) Logs.

-> Treat logs as event streams.

(12) Admin Processes.
Run admin/monagement tosk as One-off processes.
One-off processes-
(DB backup)
(DB backup)
- Separate from mais application.
10:35 pm
→ 671T
-> Farly day , -> Pendices on hand
→ Early days → Prendrives or hard drives.
+ Google Prives, Dropbox.
η σημούριος
-> Remole Repositories.

-> / main -) mais/file1.fxt -> Vedent ____ change -> xyz / -> 417 -> VC Remole repo CrI Theb Gritlab der 2 dev 3 der 1

V2 Local Repo file 1. txt // Prod 2024.11= mais 2024.12 2025.01 2024. 11.fix Dert 2024.11 Local repo Staging 2024. 11. fix bixed J Local



-) git diff

I git restore <filename></filename>
restore if Content is not Committed
- Cit less out les aut
- git branch new-branch