Assignment

1) Git vs Github vs Gitlab

* Git:

St is an open-source version control program

used by devops teams to handle small and

large scale 80/tware development projects that

allows you to save your work and keep track

of changes.

It allows supports non-linear development, allowing

multiple members of a team to modery, add

or delete files at any time.

-) You will be able to save "snapshots" of your work It you need to go back to previous versions or histories of your project, you can do easily.

and you can work on various branch versions all at same time and energe them.

* Github and Githab

gittub and Gitlab are seperate web-based Git depositioner. They are owned and aperated by different companies:
Gittab by Microsoft
GitLab by eponymous organization.

They are each spaces for developers to work on Git projects, collaborate and share and test their work. There are several overlaps between them:

. They after cloud bared storage

· They contain ince trackers

· Runs on tinux servers

· Free and gold plans are available

. There are plenty project management and other took

gowself

Github Vs Git Lab

(1001001) 03 91	
feature	GilHub
Release Date	2008
Authentication levely	Role based R
free version	Rublic repos only &
Collaboration	code is free and e available for public for collabs
owner	Wichosalf
Import (Export Jedu	ee No
Integrations	offered by third party rendon
open souce	No
Time Wacking	No
CI/CO	Must integrate

Cithab 2011

Read/write access
determined by owner
developer.
Public and private
repos
only gitlab's web
developers can
collaboration code
Citlab

Yes

Built-in

open-core

CE(CD and derops built-in

SSL Permination

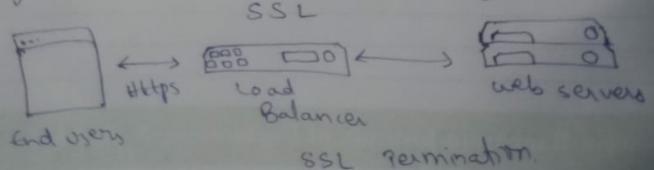
35L termination describes the transfron process when date trappe becomes encrypted and orencogpted. This happens at server end of

SSL connection

a Brokead of nelying upon the usb server to do this computationally intensive work, you can use 552 terminations to reduce the bad on your servers, speed up the process, and allow the web server to Jocus on its core responsibility of delivering web content.

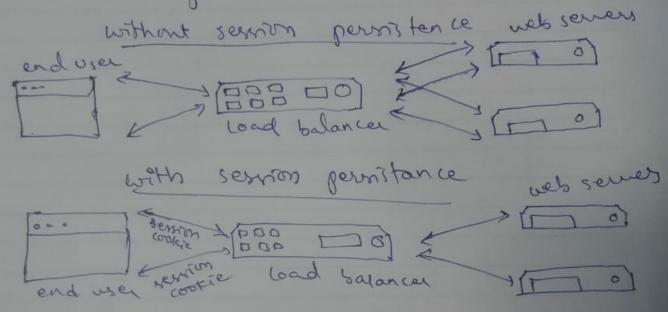
* SSL termination intercepts encrypted Littps traffic when a serker succeiver date from a . SSL connection in a SSL session. SSL termination or SSL offloading decrypts and rerifies date on the load balancer instead of app server.

sepher can priorotyle on other takes. BSL termination represent end or termination point of SSK connection



Servicion Pervistence

Sension pervistance involves directing a vierd request to one application or backend web server for the duration of a "session". The sension is the time it takes user to complete a transaction or task that might include multiple requests.



a Servion persistence ensures that a client will memain connected to same server throughout a service of time. Because boad balancing may, by default, send users to unique seathers each time they connect, this tran mean that complicated of negreealed request or slowed down.

bleb Application Frewall:

* A web Application frewall protects web applications from a variety of applications layer attacks such as XSS, SQL injection and cookie possoning, among others.

* WAF helps to protect you web appr by filtering, monitoring and blocking any analicious ###p/s in travelling to web app, and prevents travelling to web app, and prevents any unauthorized data from learning the app.

* It does this by adhering to a set of policies that helps to destermine what traffic is malicious and what traffic is safe.

gener from emporure by having clients pan through the was before reaching the server.