## Cloud Remote Desutop Scoevius

## \* Basic Architecture

fear

Garne

Specified

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Specified

Software

Joan file

Any High - End Software

Jif App is not specified

Take VM configuration

From User

Give a browner board

rdp using guacd

User can then chasse

from their favorite

rd1 from the browner

X Json structure for the Applications.

« Gamus

High- End-Gamus

High-frd-Games

High-frd-Games

Mid-, low

Base (for those care when no application is specified)

· Editing

Ligh- Fnd - Software

Light Software

Light Sold

Light

ams: {

comi\_id: "-''

instance\_type: "gnxdn.large"

Storage - spale: "-''

3

azwe: {

gcd: {

3

Apps: [

\* Request Flow

> Vous visite > Ping text > User choosed > Vous provide any the page for ever's location the Servon. extra configurations (whether they want to all the date century to compromise with latency or prior)

from the prompt — Lawh o default — User pays for the rand ordp user gets RDP on browners — Setup to choose whether to change — Kazorpay Stripe

## \* Status Polling

- -> Use cookies and sessions to store were information for polling.
- > Polling will occur curry 10 seus to get the status of the VM.
  - Posible Solution
    - · Cookies and Sessions with Polling
    - o somme side push notification after the completion of each stage.

- > frontend: Once the VM Launches a simple information about storting should be present at frontend. There we can start a stop-watch like timer for UX.
- Bachend: Push all the important information about the VM in a time housed quive & terminate the VM once the timer finisher.

Possible Solution
L) Job Queu, menage Queue, Tout Queue

If up pays, the job quarral timer should get updated.

## Usur and Membership Management

\* Plans

Les trously Plans: No user data required, should be managed just with septions & cookin. Doesn't matter even if the wwo has an account.

Ly monthly Rans: User account is mandatory. User should be able to see their VHS, running or stopped and all the date should he present thou.

Unlimit ed limited JMs. VMS

it idle > 30 mins => Stop the VM automatically to some with.

user should see their stopped NMs & should be able to stoot it.

- \* Automation
  - 1. Instead of launching a default RPI in browns, the game should be launched automatically.
  - 2. Instead of allowing user to chaose their favorite RDP & from the browser RDP, allow them to choose beforehound & directly start the required RDP tow to achieve this?

Ly SSH login to the remore UM

Ly hun a sought to execute ADP

Ly fill all the details automatically using pythin's auto GOI method.

\* Octobase ROP Applications La Nome Ex. Partic Usen 4 JD 10 IO 4 Description 4 ID 4 Name 4 Name Ly Name 4 ID La Description 4 Description Ly Email 4 Service FD Ly Phone - Number 4 Subsociption\_id Application\_Pack\_ID Lyvsur - type by Slug (or vantourn 4 Adnur > 4 Boul +you allo 4 Felitor 4) client or automor ball-games yson base editing is con Memberships or Plany/Subscription Application - Pack VM\_notall 4 ID L7 ID 4 IO 4 Name La config-500 → Description 5 Name ("High-Frd-Gamu > or in Days 5 Desouption or some 4 Duration (In Month) tany rane) 4 Howed - Application - Dach I for wdet\_Taken we should not allow \* User\_Subscription LIVM\_Info (In Jon al plan Ex- Aperion format) 4 usur - 70 purchasing a plan ton Ly Subscription. ID 4) State (Runing, Stopped, neverted) 4> Stort - time Colling purposes should 4 duration (no. of hours) Ly Expiry - time not pay a high point for 5-tory - time 5 transaction\_ID L) End - time only these a goming rig two are enough → Time - Flagsce Other required Information to calculate tre and dale like, 400- of-hours/pormants Cloud Providens - Name (AWS, GCP, Azur, VWH) L by identified: AWS, Azure, GCP \* Transaction Ly ID Application Pack (osting L) transaction\_id L) werd-ID housely - colf 4 transaction amount Ly Application - pack - id the tea yours L) created-at La cloud\_provider\_id already be in duded in L) updated -at L> volt & B coz different monthy subswiption 4 Swarful cloud provider will have Ly town Ly nowaption: which subsciption package different prius for the came

was chasen, for auration

\* VM\_Info:

Start time & stopped time will be changed frequently to calculate the time elapted.

Ly Story time

Ly Ownstion

Story time original story time, created At it enough & Ly Stopped time or This is not the actual end time but the time at which the Ly Elapted time

Ly Elapted time of Story time = 1 pm

Instant was stopped to Story time = 1 pm

I wation = 5 hrs

Story time = 2 pm

Thus story time & stop-time can be up dated frequently.

\* Flapsed\_time = Stop\_time - Start\_time

Every time the same VM is rownched, It should also be added in the queue to delete withe scheduled time

- Duration - Flapsed\_time